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# Illustrated Catalogue



## ✓ Chandler Pump Co. 11

Manufacturers and Jobbers of

### PUMPS, PLUMBING GOODS

Gas, Steam and Water Supplies,

Brass Goods *and* Fittings,

Engine Trimmings, Etc.

First Avenue *and*  
Eighth Street West

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REPUBLICAN  PRINTING CO.

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## TO THE TRADE

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**W**E take much pleasure in presenting to you a copy of our new Plumbing and Steam Fitters' Catalogue, and hope it may be your pleasure to find for it a convenient place on your desk.

It is not a large volume, still we believe you will find described within the following pages as complete and thoroughly up-to-date line of Plumbing, Steam and Water supplies, as is to be found in many more pretentious work.

In its compilation it has been our careful study to discard everything of an obsolete nature, retaining only those of well known merit.

In the many years we have been engaged in the manufacture of Iron Pumps, it has always been our aim, not to see how cheap an article we could make, but to place upon the market the very best piece of goods possible to produce. With what degree of success we have attained, most of the dealers in the west are familiar.

It is along these same lines we shall conduct our new undertaking, offering only such goods as we know will give entire satisfaction to the most exacting trade.

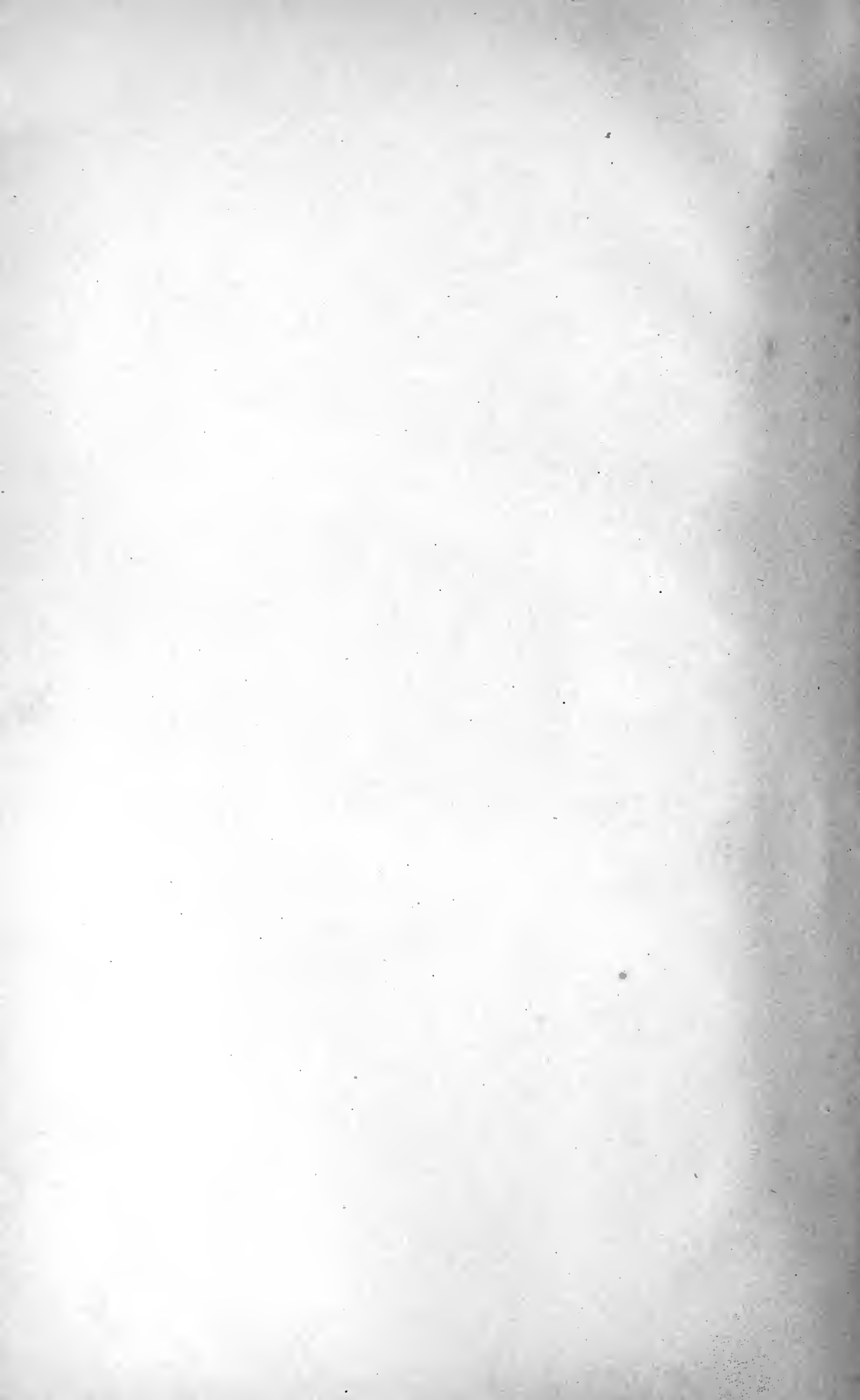
With this assurance on our part we respectfully ask a share of your business.

Very Cordially Yours,  
CHANDLER PUMP CO.

J. A. CHANDLER, President.

C. H. CHANDLER, Vice-President.

W. H. DUNSHEE, Secretary and Treasurer.



## TERMS AND INSTRUCTIONS

To parties having no commercial rating, or of whom we have no satisfactory knowledge as to financial ability, character, etc., no goods will be sold except for cash.

When desired by purchaser, goods will be forwarded C. O. D., but as an evidence of good faith, an amount sufficient to pay transportation charges both ways must accompany order, otherwise order will not be filled.

To parties of known responsibility, our usual terms of credit will be gladly extended.

Box and cartage on all shipments will be charged for at cost.

All accounts are payable at our office with exchange. Remittances should be made by Bank draft, Postoffice or Express money orders. Do not send personal checks unless you include a sufficient amount to cover exchange.

Past due accounts are subject to sight draft without notice.

All possible care will be taken to see that orders are properly packed and filled, but responsibility ceases, on our part, when receipt is furnished from Transportation Company.

All claims for goods damaged or lost in transit must be made of the Transportation Company. We will, however, gladly render any assistance in our power to expediate settlement of such claims.

All claims for corrections or deductions must be made on receipt of goods.

Goods returned without orders from our office will not be received.

When, for any reason, goods are returned to us, be particular to see that they are plainly marked, where and from whom consigned.

In making out orders, please be explicit; order by figure number so far as possible. Do not specify same as last. You will thus aid us in preventing annoying mistakes and delays.

Discount sheets will be issued from time to time, but quotations are subject to change without notice.

Special quotations are made for immediate acceptance only.

By observing the foregoing rules, much unnecessary annoyance can be avoided.

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LEVER HANDLE PLAIN BIBBS  
FOR LEAD PIPE

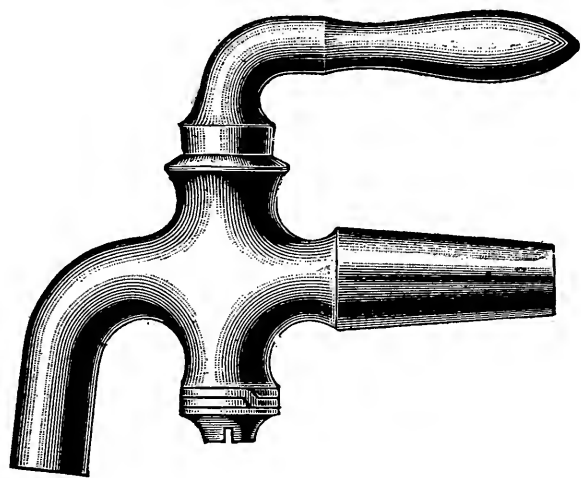


FIG. A-1.

Size-----Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished-----Per dozen	10.00	12.00	15.00	18.00	24.00	36.00
Nickel-plated-----Per dozen	12.00	14.00	17.50	20.50	26.50	39.00

LEVER HANDLE HOSE BIBBS  
FOR LEAD PIPE

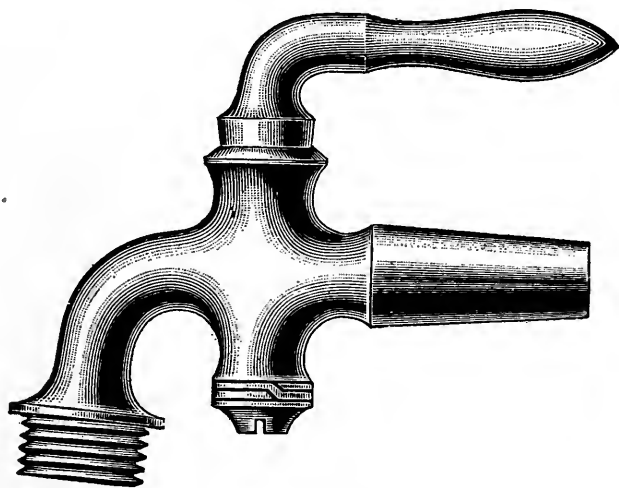


FIG. A-2.

Size-----Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1		
Finished-----Per dozen	17.00	20.00	26.00	39.00		
Nickel-plated-----Per dozen	19.50	22.50	28.50	42.00		

LEVER HANDLE PLAIN BIBBS  
FOR IRON PIPE

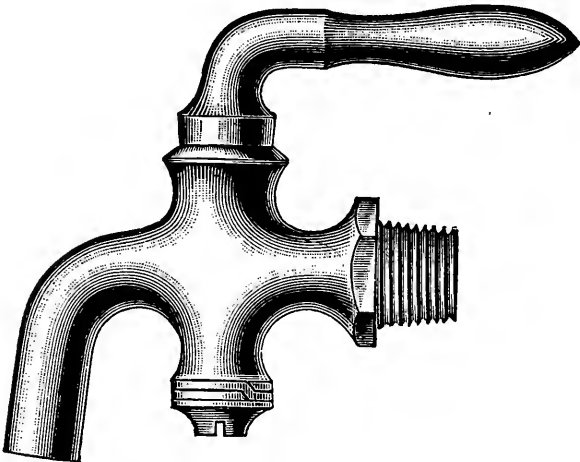


FIG. A-3.

Size-----Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished-----Per dozen	12.00	14.00	17.00	20.00	26.00	39.00
Nickel-plated-----Per dozen	14.00	16.00	19.50	22.50	28.50	42.00

LEVER HANDLE HOSE BIBBS  
FOR IRON PIPE

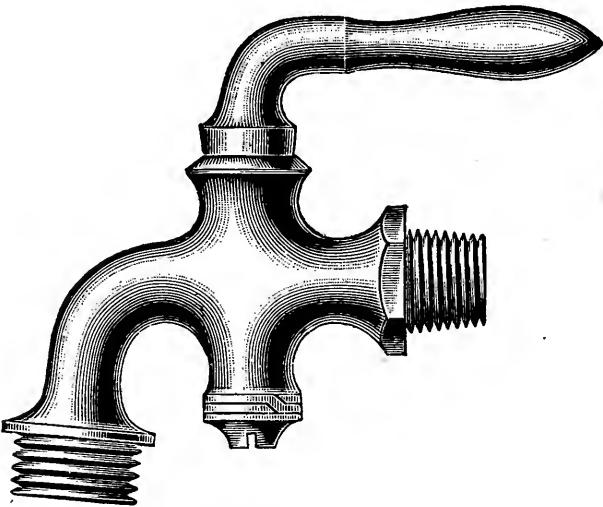


FIG. A-4.

Size-----Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	
Finished-----Per dozen	19.00	22.00	28.00	42.00
Nickel-plated-----Per dozen	21.50	24.50	30.50	45.00

ROUGH STOP COCKS FOR LEAD PIPE  
T HANDLE



FIG. A-5.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way .....	Per dozen	11.00	13.00	15.00	19.00	28.00	46.00	64.00	110.00
Round Way .....	Per dozen		17.00	20.00	25.00	44.00	70.00	100.00	180.00

ROUGH STOP COCKS FOR LEAD PIPE  
LEVER HANDLE

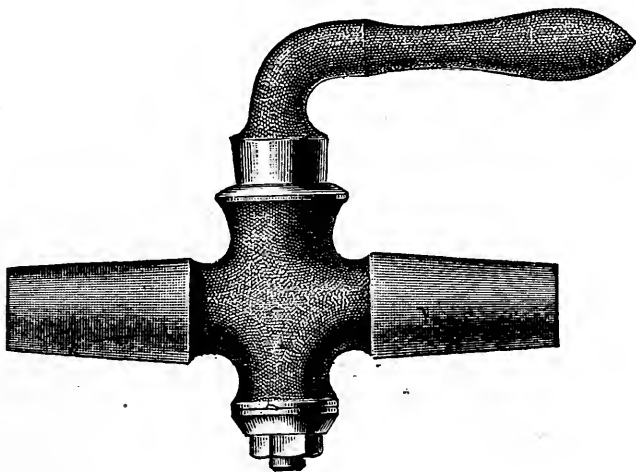


FIG. A-6.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way .....	Per dozen	12.00	14.00	16.50	20.50	30.00	48.50	67.50	115.00
Round Way .....	Per dozen		18.00	21.50	26.50	46.00	72.50	103.50	185.00

ROUGH STOP COCKS FOR IRON PIPE  
T HANDLE

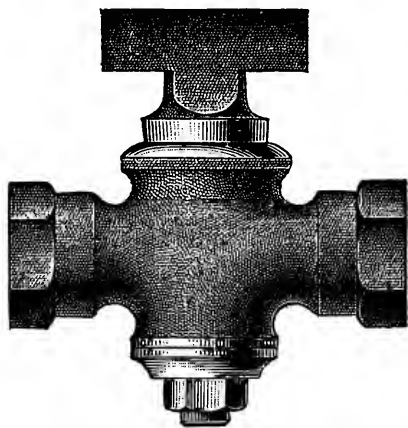


FIG. A-7.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way .....	Per dozen	13.00	15.00	18.00	22.00	32.00	51.00	71.00	120.00
Round Way .....	Per dozen		19.00	23.00	28.00	48.00	75.00	107.00	190.00

ROUGH STOP COCKS FOR IRON PIPE  
LEVER HANDLE

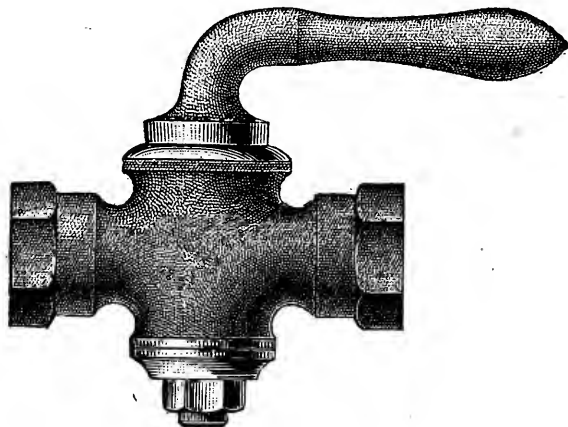


FIG. A-8.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way .....	Per dozen	14.00	16.00	19.50	23.50	34.00	53.50	74.50	125.00
Round Way .....	Per dozen		20.00	24.50	29.50	50.00	77.50	110.50	195.00

ROUGH STOP AND WASTE COCKS FOR LEAD PIPE

T HANDLE

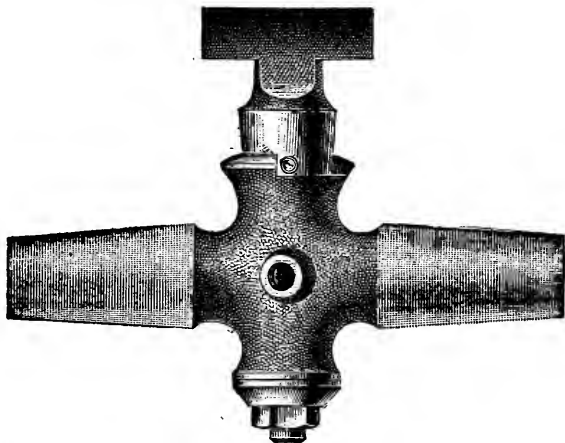


FIG. A-9.

Size.....Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way.....Per dozen	13.00	15.00	17.00	21.00	31.00	50.00	70.00	120.00
Round Way.....Per dozen		19.00	22.00	27.00	47.00	74.00	106.00	190.00

ROUGH STOP AND WASTE COCKS FOR LEAD PIPE

LEVER HANDLE

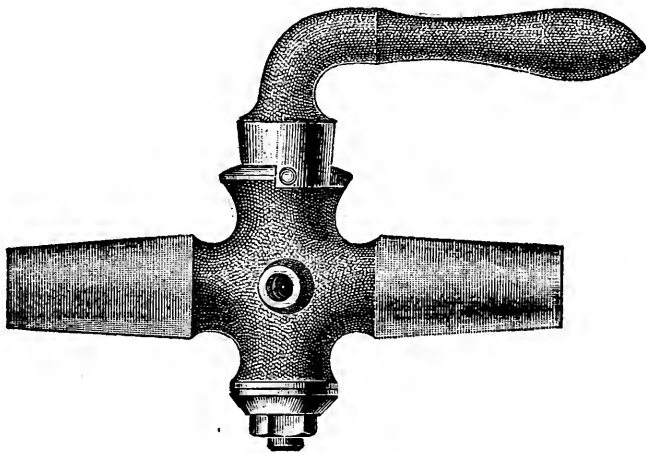


FIG. A-10.

Size.....Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way.....Per dozen	14.00	16.00	18.50	22.50	33.00	52.50	73.50	125.00
Round Way.....Per dozen		20.00	23.50	28.50	49.00	76.50	109.50	195.00

ROUGH STOP AND WASTE COCKS FOR IRON PIPE  
T HANDLE

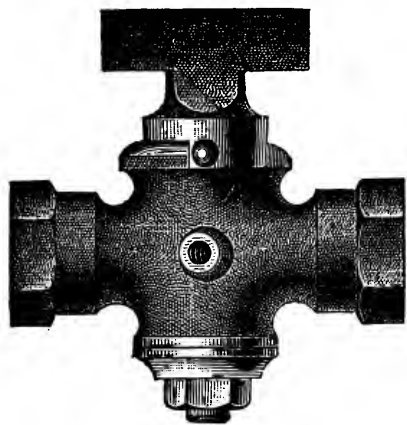


FIG. A-11.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way .....	Per dozen	15.00	17.00	20.00	24.00	35.00	55.00	77.00	130.00
Round Way .....	Per dozen		21.00	25.00	30.00	51.00	79.00	113.00	200.00

ROUGH STOP AND WASTE COCKS FOR IRON PIPE  
LEVER HANDLE

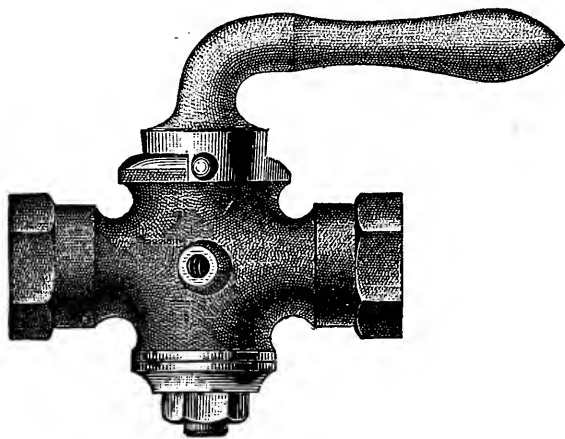


FIG. A-12.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way .....	Per dozen	16.00	18.00	21.50	25.50	37.00	57.50	80.50	135.00
Round Way .....	Per dozen		22.00	26.50	31.50	53.00	81.50	116.50	205.00

FINISHED STOP COCKS  
FOR LEAD PIPE

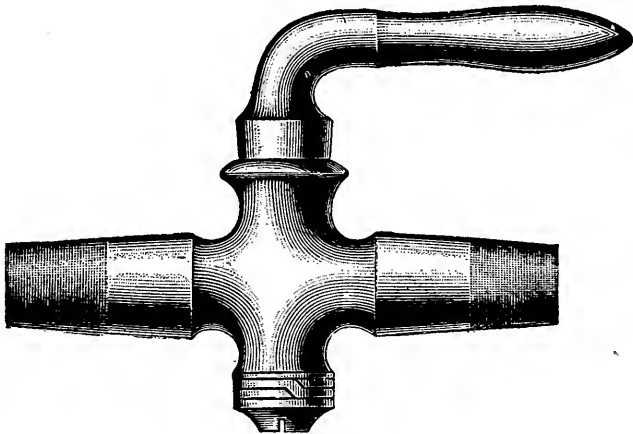


FIG. A-13.

Size-----Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished-----Per dozen	15.50	17.50	20.00	26.50	39.00
Nickel-plated-----Per dozen	17.50	20.00	22.50	29.00	42.00

FINISHED STOP COCKS  
FOR IRON PIPE

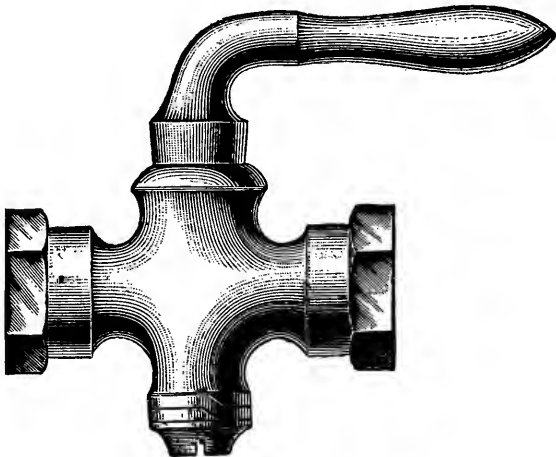


FIG. A-14.

Size-----Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished-----Per dozen	17.50	19.50	23.00	29.50	43.00
Nickel-plated-----Per dozen	19.50	22.00	25.50	32.00	46.00

## FINISHED STOP AND WASTE COCKS FOR LEAD PIPE

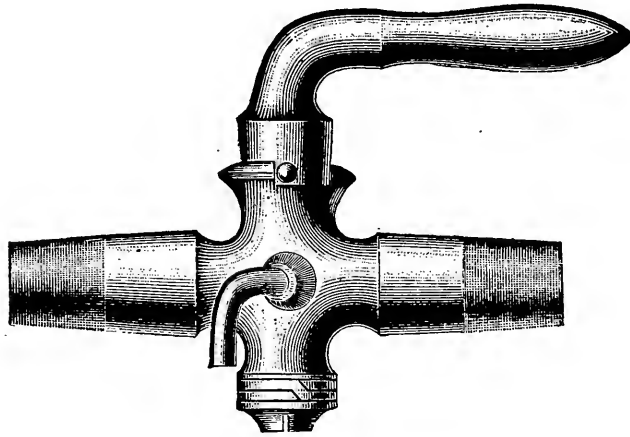


FIG. A-15.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	18.00	20.00	22.50	29.00	43.00
Nickel-plated .....	Per dozen	20.00	22.50	25.00	31.50	46.00

## FINISHED STOP AND WASTE COCKS FOR IRON PIPE

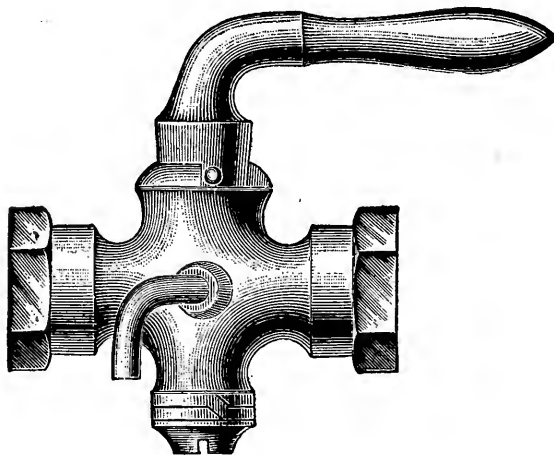


FIG. A-16.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	19.50	21.50	25.00	31.50	46.00
Nickel-plated .....	Per dozen	21.50	24.00	27.50	34.00	49.00



MINNEAPOLIS STOP COCKS  
FOR LEAD PIPE

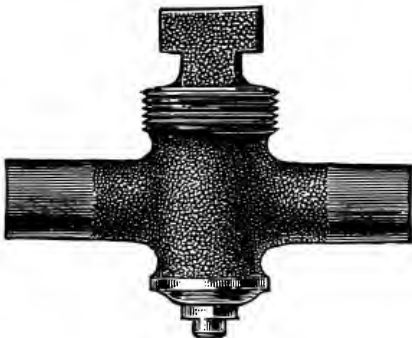


FIG. A-17.

Size.....	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Round Way .....	Per dozen	21.00	26.00	29.50	50.00

MINNEAPOLIS STOP COCKS  
FOR IRON PIPE



FIG. A-18.

Size.....	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Round Way .....	Per dozen	23.00	29.00	32.50	54.00

SERVICE COCKS

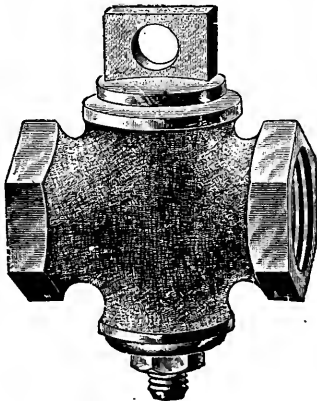


FIG. A-19.

Size.....	Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price.....	Each	.75	.85	.95	1.15	1.50	2.25	3.10	5.00
Price, with check.....	Each	.90	1.00	1.10	1.35	1.70	2.50		

RAIN AND WELL WATER COCKS  
FOR LEAD PIPE

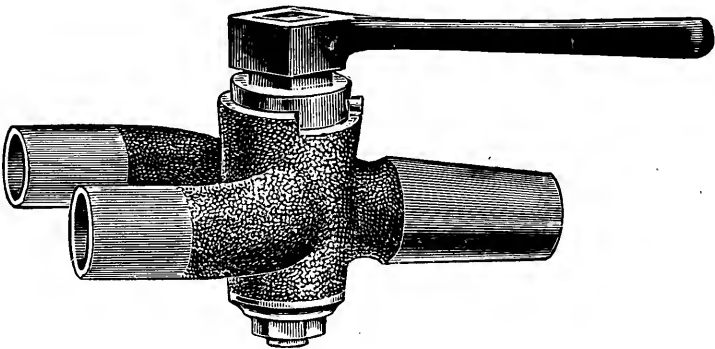


FIG. A-20.

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$
Price .....	Per dozen	50.00	70.00	84.00

RAIN AND WELL WATER COCKS  
FOR IRON PIPE

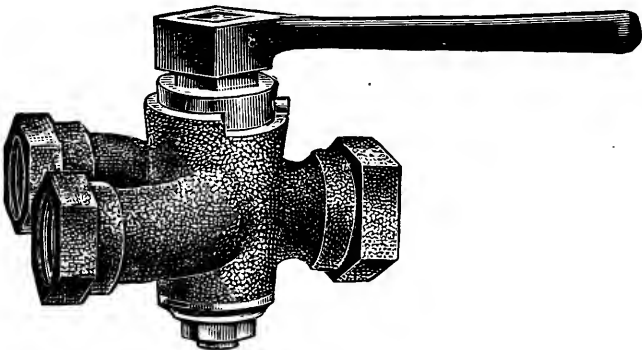


FIG. A-21.

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$
Price .....	Per dozen	56.00	79.00	96.00

HYDRANT COCKS

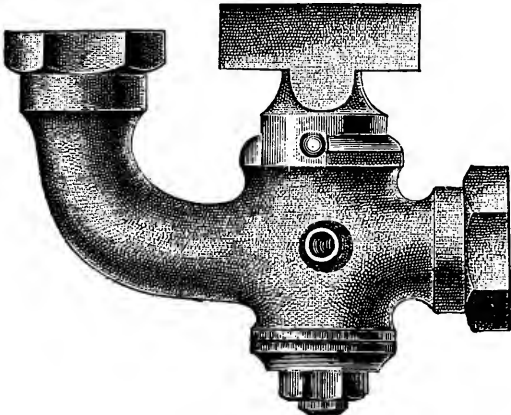


FIG. A-22.

Size .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Flat Way .....	Per dozen	16.00	20.00	24.00	37.00
Round Way .....	Per dozen	20.00	24.00	29.50	50.00

**"GLAUBER" STOP COCKS**  
LOOSE LEVER HANDLE

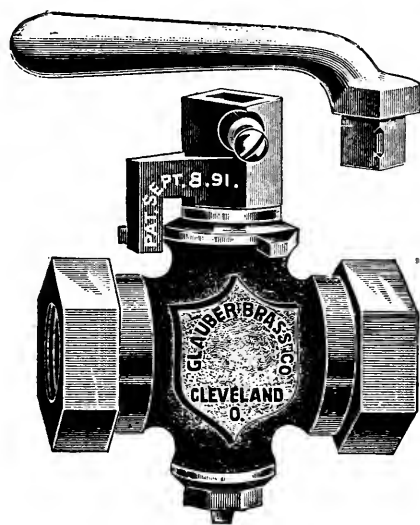


FIG. A-23.

Size ----- Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way --- Per dozen	16.00	19.50	23.50	34.00	53.00	74.50	125.00
Round Way . Per dozen	20.00	24.50	29.50	50.00	77.50	110.50	195.50

**"GLAUBER" STOP AND WASTE COCKS**  
LOOSE LEVER HANDLE

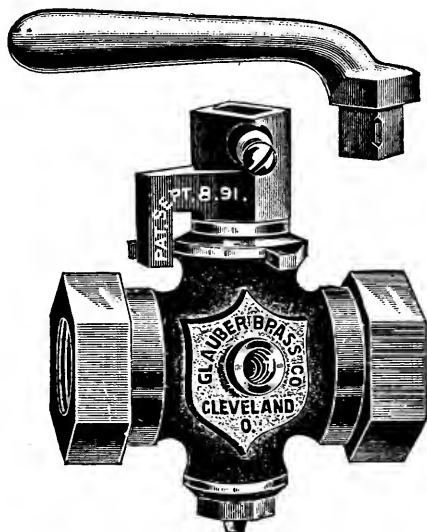


FIG. A-24.

Size ----- Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Flat Way - Per dozen	18.00	21.50	25.50	37.00	57.50	80.50	135.00
Round Way . Per dozen	22.00	26.50	31.50	53.00	81.50	116.50	205.00

INVERTED KEY CURB COCKS

T HANDLE

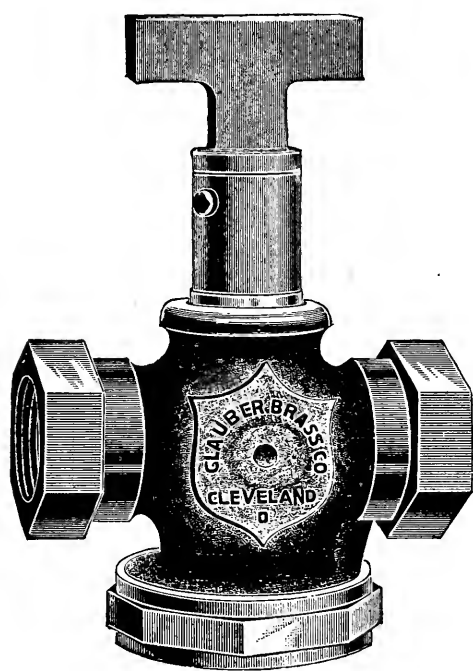


FIG. A-25.

INVERTED KEY CURB COCKS

MINNEAPOLIS PATTERN

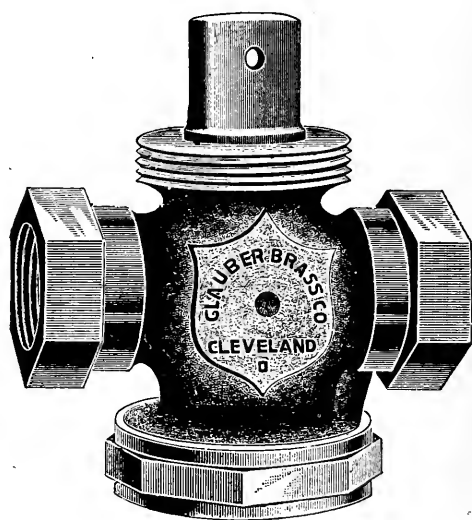


FIG. A-26.

Size.....Inches	1/2	5/8	3/4	1	1 1/4	1 1/2	2
T Handle.....per dozen	24.00	29.00	35.50	61.00	96.00	137.00	244.00
T Handle, with S. & W.....Per dozen	26.00	31.00	37.50	64.00	100.00	143.00	254.00
Minneapolis.....Per dozen	30.00	35.50	42.50	68.50	110.00	159.00	279.00
Minneapolis, with S. & W.....Per dozen	32.00	37.50	44.50	71.50	114.00	165.00	289.00

“GLAUBER” HYDRANT COCKS

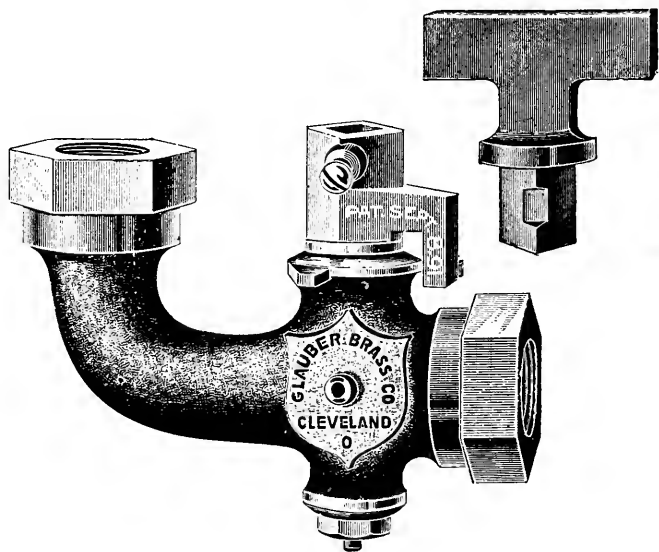


FIG. A-27.

Size.....Inches	1/2	5/8	3/4	1		
Flat Way.....Per dozen	21.00	25.00	29.50	41.50		
Round Way.....Per dozen	25.00	30.00	35.50	57.50		

CORPORATION COCKS  
WITH BENT COUPLING

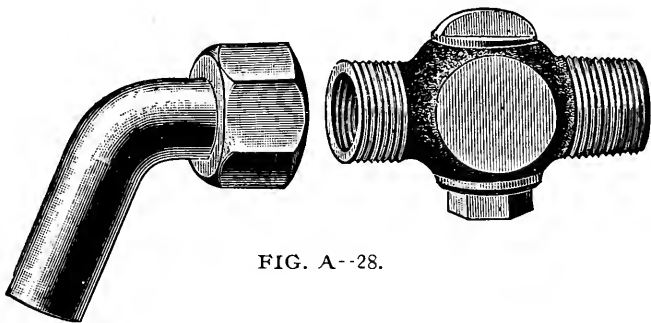


FIG. A--28.

Size .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Long End Threaded for Mueller Machine .....	Each	1.35	1.70	2.50	3.85
Long end Threaded for Iron Pipe .....	Each	1.55	1.90	2.80	4.40

CORPORATION COCKS  
WITH STRAIGHT COUPLING

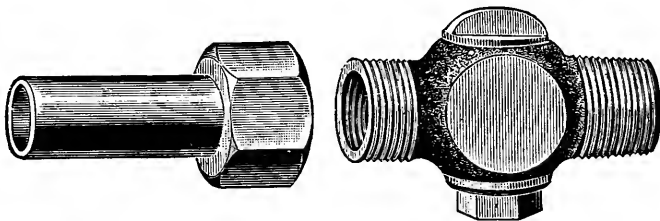


FIG. A—29.

Sizes .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Long End Threaded for Mueller Machine .....	Each	1.35	1.70	2.50	3.80
Long End Threaded for Iron Pipe .....	Each	1.55	1.90	2.80	4.40

CORPORATION COCKS

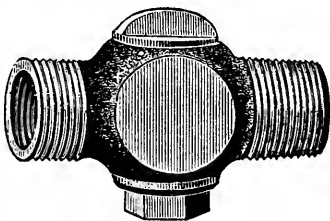


FIG. A—30.

Size .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Long End Threaded for Mueller Machine .....	Each	1.10	1.40	2.10	3.35
Both Ends Threaded for Iron Pipe .....	Each	1.30	1.65	2.40	3.80

Corporation Cocks can be furnished with either Screw or Hexagon Plug.  
In ordering, please state which kind is wanted. Unless otherwise ordered, Screw Plug Cocks will always be sent.

BRASS WATER CONNECTIONS



FIG. A-31.



FIG. A-32.

Two branch connections, with 1¼-inch outlet for iron pipe	Each, 1.50
Three branch connections, with 1½-inch outlet for iron pipe	Each, 2.00

LEAD GOOSE NECKS.

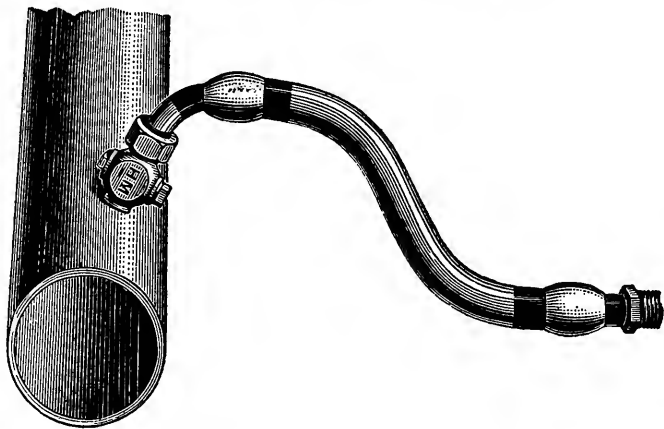


FIG. A-33.

These Lead Goose Necks are furnished complete, ready to attach to the water main. Consists of 18 inches of extra strong lead pipe, with corporation stop cock (with either screw or hexagon plug) wiped on one end, and male brass soldering nipple on the other.

Size.....	Inches	¾	½	⅝	¾	1
Complete.....	Each	1.40	1.50	1.70	2.00	2.70

BRANCH GOOSE NECKS

These connections are intended for use where a 1¼-inch or larger service pipe is required, and where a larger than 1-inch tap is not allowed to be made in the main.

Two branch Goose Necks, complete, 1¼-inch outlet.....	Each, 8.00
Three branch Goose Necks, complete, 1½-inch outlet.....	Each, 11.00

NOTICE—Goose Necks can be furnished with either screw or hexagon plug corporation cocks, male or female soldering nipples.  
Unless otherwise ordered, screw plug cocks and male soldering nipples will always be sent.

**COMPRESSION PLAIN BIBBS** ...  
**FOR LEAD PIPE**

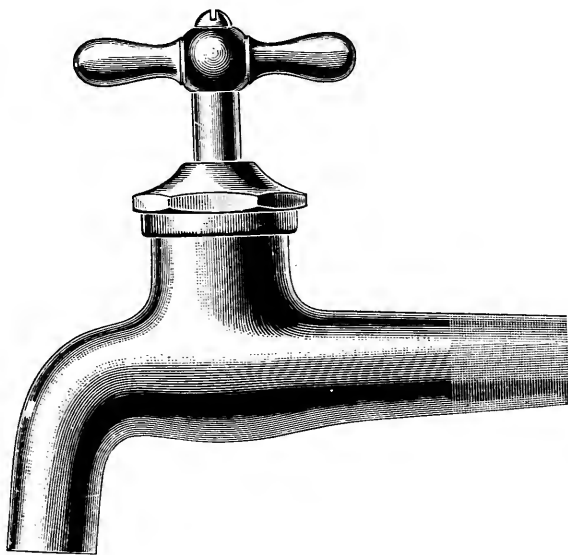


FIG. A-34.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	10.00	11.00	13.00	18.00	34.00
Nickel-plated .....	Per dozen	12.00	13.00	15.00	20.50	37.00
For Stuffing Box add to regular list .....		2.00	2.00	2.00	3.00	4.00

**COMPRESSION HOSE BIBBS**  
**FOR LEAD PIPE**

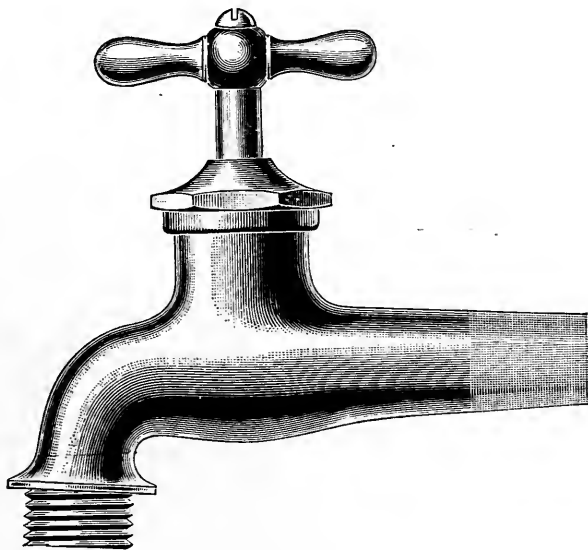


FIG. A-35.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	12.00	13.00	15.00	20.00	37.00
Nickel-plated .....	Per dozen	14.00	15.50	17.50	22.50	40.00
For Stuffing Box add to regular list .....		2.00	2.00	2.00	3.00	4.00

COMPRESSION PLAIN BIBBS  
FOR IRON PIPE

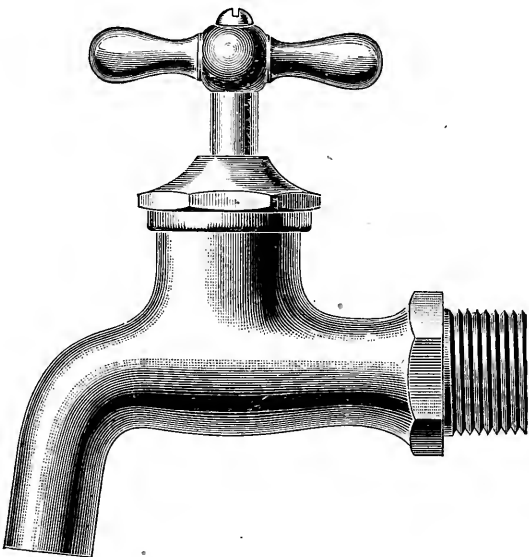


FIG. A-36.

Size-----Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished-----Per dozen	12.00	13.00	15.00	20.00	37.00
Nickel-plated-----Per dozen	14.00	15.50	17.50	22.50	40.00
For stuffing box add to regular list-----	2.00	2.00	2.00	3.00	4.00

COMPRESSION HOSE BIBBS  
FOR IRON PIPE

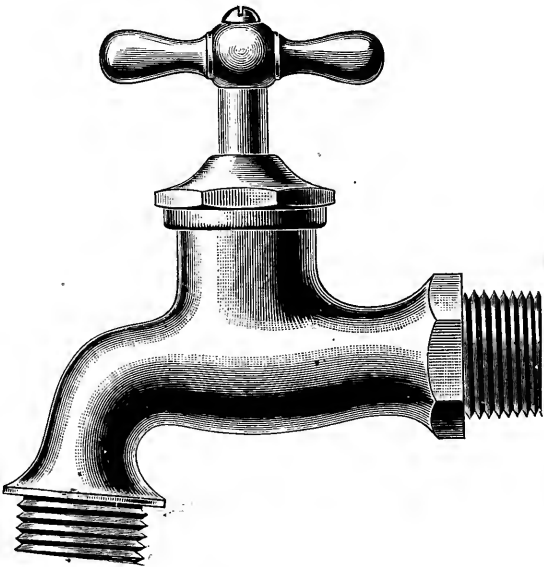


FIG. A-37.

Size-----Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished-----Per dozen	14.00	15.00	17.00	22.00	40.00
Nickel-plated-----Per dozen	16.00	17.50	19.50	24.50	43.00
For stuffing box add to regular list-----	2.00	2.00	2.00	3.00	4.00



COMPRESSION PLAIN BIBBS  
WITH FLANGE

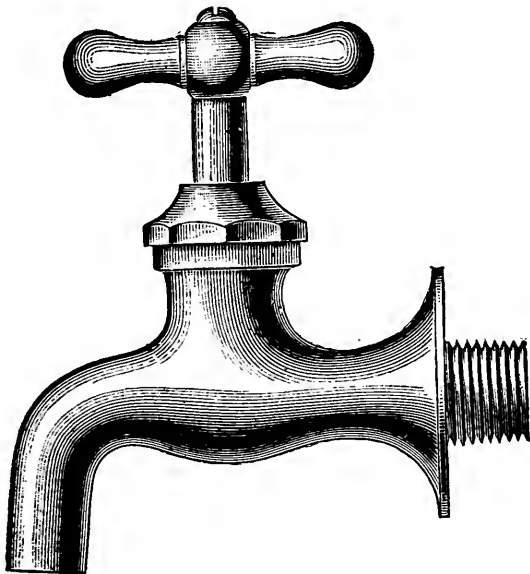


FIG. A-38.

Size .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	16.00	17.50	25.00	46.00
Nickel-plated .....	Per dozen	18.50	20.00	27.50	49.00
For Stuffing Box add to regular list .....	Per dozen	2.00	2.00	3.00	4.00

COMPRESSION HOSE BIBBS  
WITH FLANGE

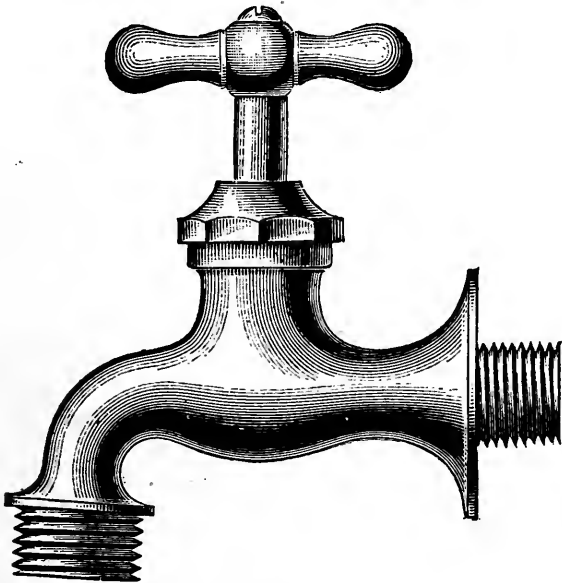


FIG. A-39.

Size .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	18.00	19.50	27.00	49.00
Nickel-plated .....	Per dozen	20.50	22.00	29.50	52.00
For Stuffing Box add to regular list .....	Per dozen	2.00	2.00	3.00	4.00

COMPRESSION BATH BIBBS

MALE WITH FLANGE

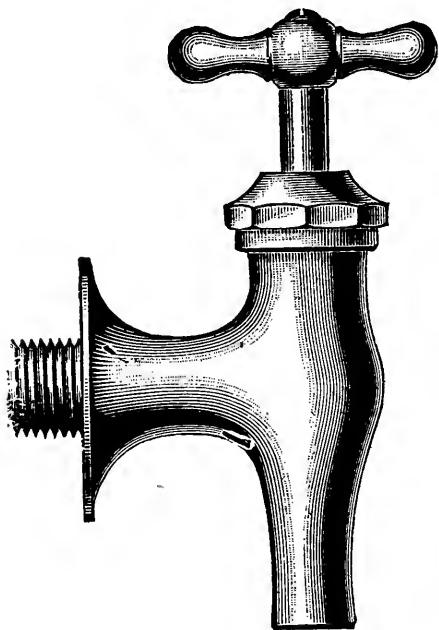


FIG. A-40.

FEMALE WITH FLANGE

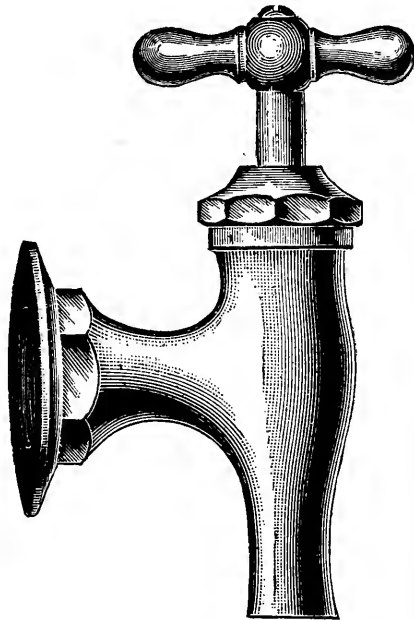


FIG. A-41.

Size.....	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$
Male or Female, finished .....	Per dozen	19.50	23.50	33.00
Male or Female, nickel-plated .....	Per dozen	23.00	27.00	37.00
For Stuffing Box add to regular list .....	Per dozen	2.00	2.00	3.00

COMPRESSION WASH TRAY BIBBS

MALE WITH SHOULDER

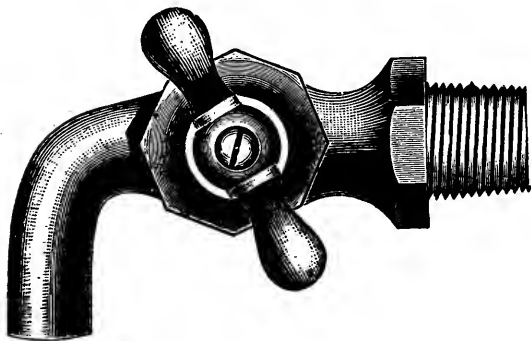


FIG. A-42.

FEMALE WITH FLANGE

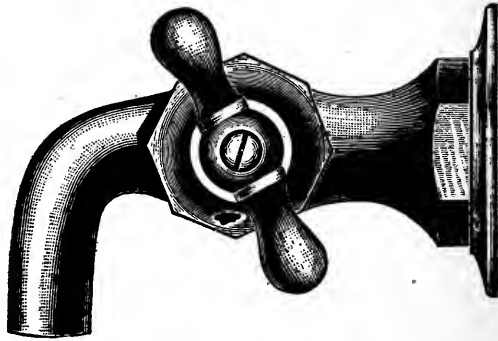


FIG. A-43.

Size.....	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$
Male with shoulder, finished .....	Per dozen	14.00	16.00	21.00
Male with shoulder, nickel-plated .....	Per dozen	16.50	18.50	23.50
Female with flange, finished .....	Per dozen	17.00	19.50	27.00
Female with flange, nickel-plated .....	Per dozen	19.50	22.00	29.50
For Stuffing Box add to regular list .....	Per dozen	2.00	2.00	3.00

COMPRESSION BASIN COCKS

T HANDLE

No. 1

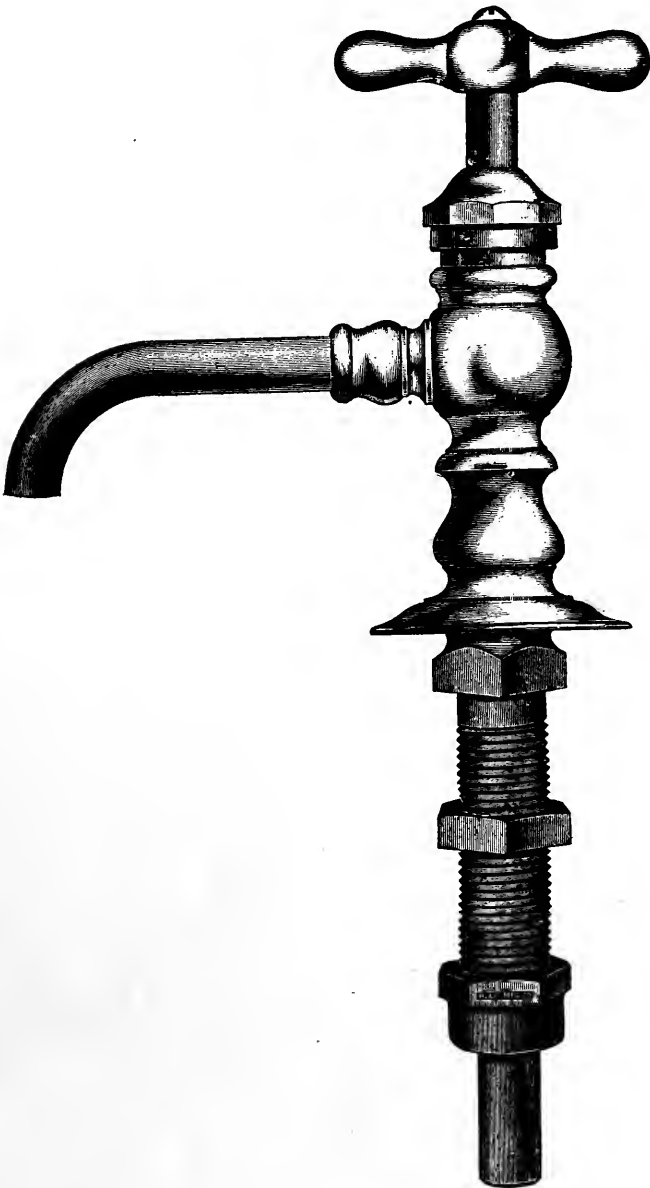


FIG. A-44.

Nickel-plated-----	Per dozen, 19.00
For Stuffing Box add to regular list.-----	Per dozen, 2.00

COMPRESSION BASIN COCKS

T HANDLE

No. 2

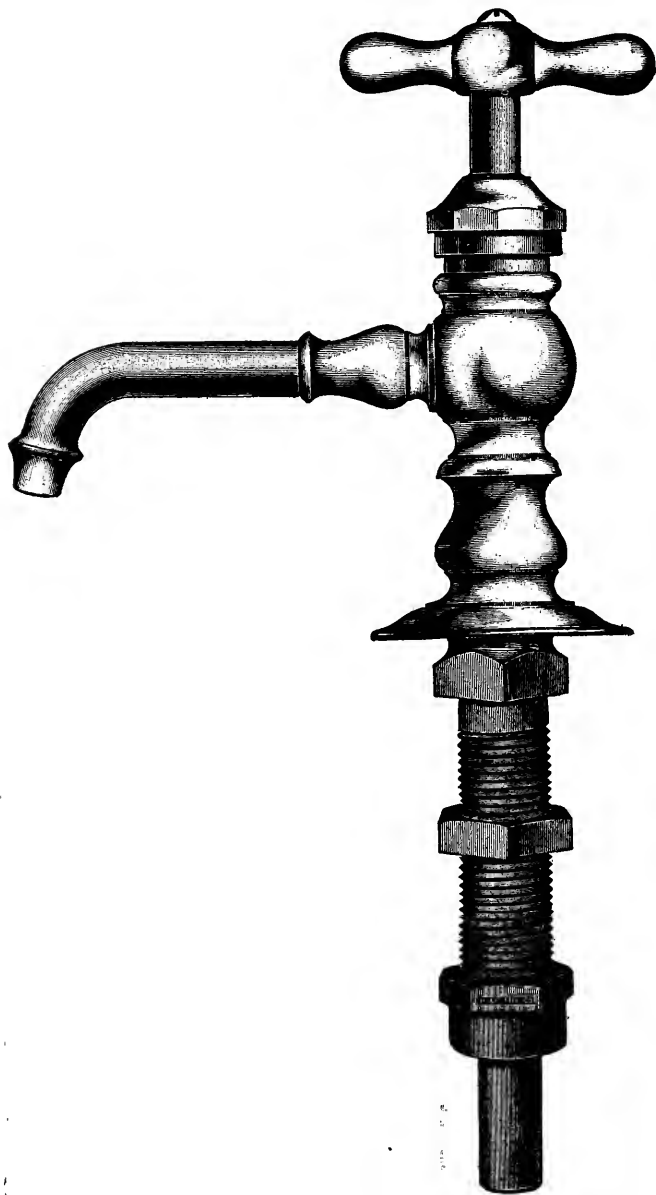


FIG. A-45.

Nickel-plated .....	Per dozen, 23.00
For Stuffing Box add to regular list .....	Per dozen, 2.00

COMPRESSION BASIN COCKS

CROSS HANDLE

No. 3

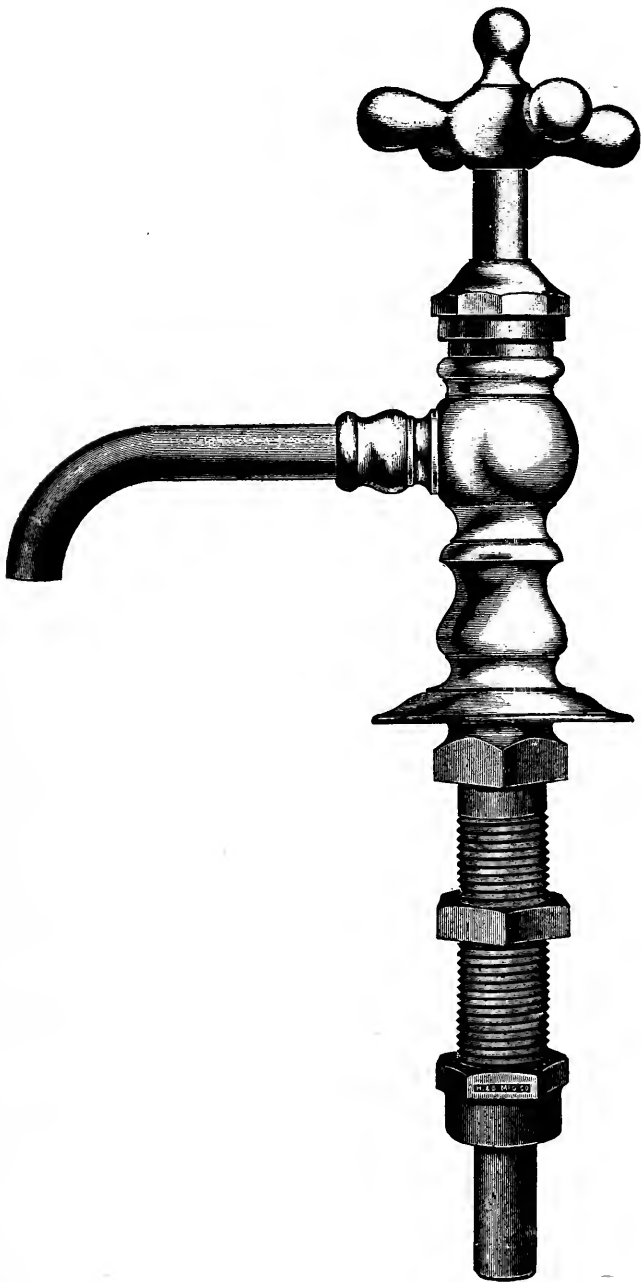


FIG. A-46.

Nickel-plated.....	Per dozen, 22.00
For Stuffing Box add to regular list.....	Per dozen, 2.00

COMPRESSION BASIN COCKS

CROSS HANDLE

No. 4

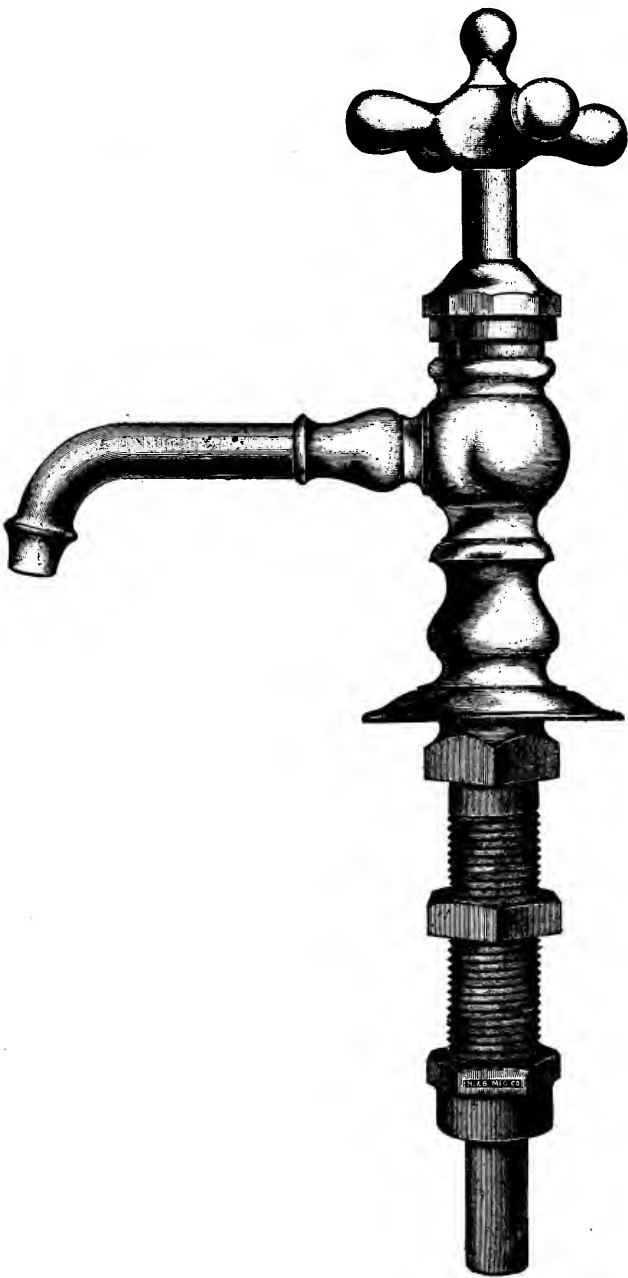


FIG. A-47.

Nickel-plated .....	Per dozen, 26.00
For Stuffing Box add to regular list .....	Per dozen, 2.00

COMPRESSION PANTRY COCKS

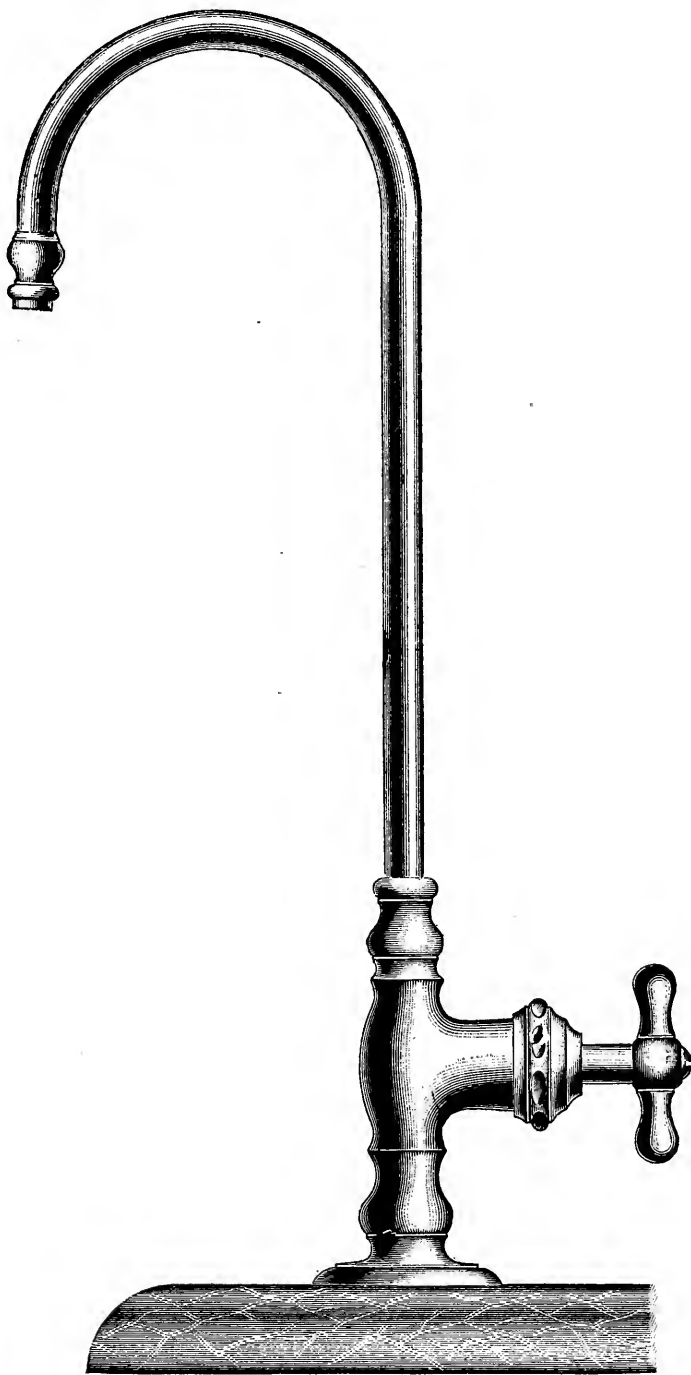


FIG. A-48.

T Handle, Nickel-plated.....	Per dozen, 34.00
Cross Handle, Nickel-plated.....	Per dozen, 36.00
For Stuffing Box, add to regular list .....	Per dozen, 2.00

COMPRESSION DOUBLE BATH COCKS

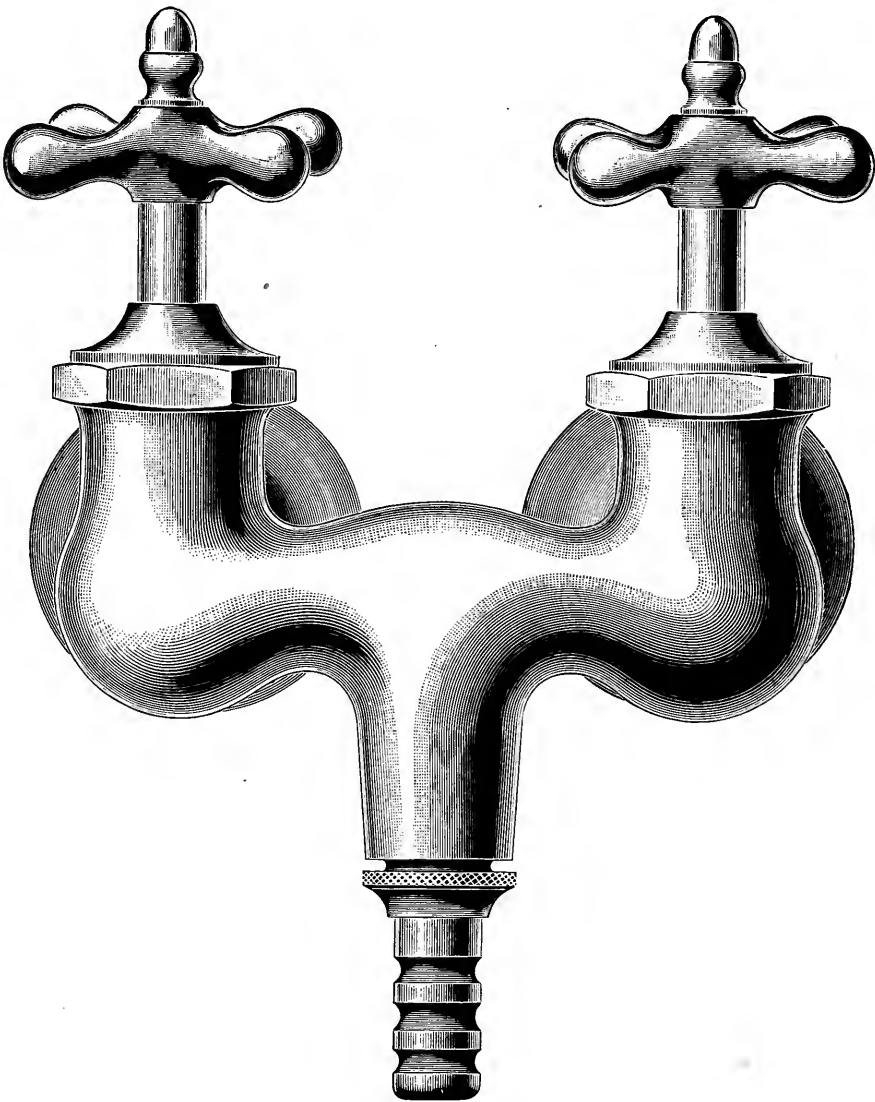


FIG. A-49.

3 1-2 INCHES SPREAD BETWEEN CENTERS

Nickel-plated.....	Each, 6.50
For Stuffing Box, add to regular list.....	Each, .50



STRAIGHT

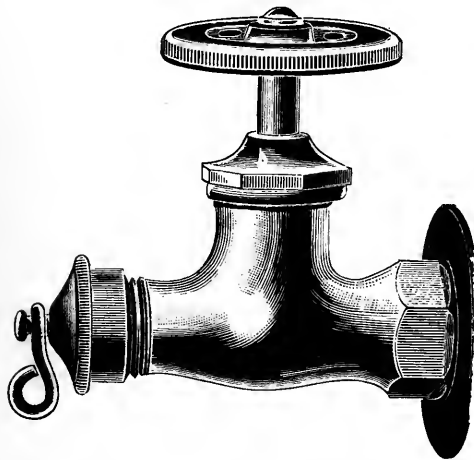


FIG. A-50.

COMPRESSION SILL COCKS

STRAIGHT PATTERN

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$
Finished .....	Per dozen	22.00	24.00
Nickel-plated .....	Per dozen	25.00	27.00
Add for Caps.....	Per dozen	2.00	2.00

Unless otherwise ordered, Sill Cocks will always be sent without Caps.

ANGLE

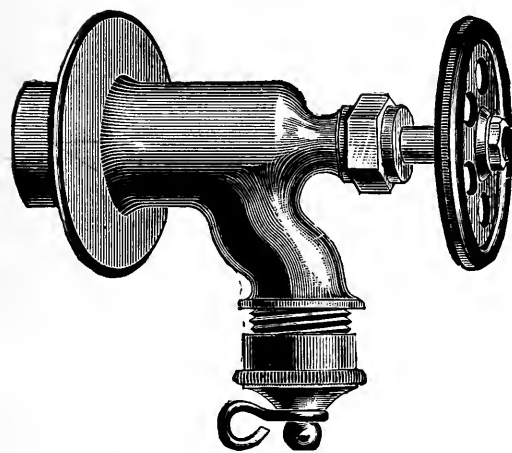


FIG. A-51.

COMPRESSION SILL COCKS

ANGLE PATTERN

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$
Finished .....	Per dozen	28.00	28.00
Nickel-plated .....	Per dozen	32.00	32.00
Add for Caps.....	Per dozen	2.00	2.00

Unless otherwise ordered, Sill Cocks will always be sent without Caps.

LOOSE KEY

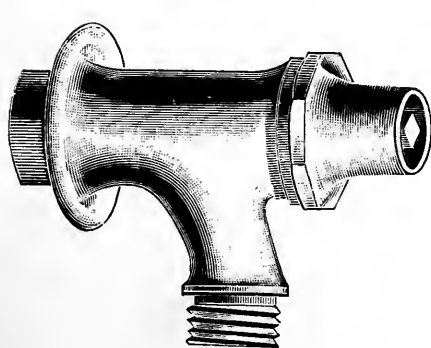


FIG. A-52.

COMPRESSION SILL COCKS

LOOSE KEY PATTERN

Size.....	Inches	$\frac{1}{2}$	$\frac{3}{4}$
Finished .....	Per dozen	28.00	28.00
Nickel-plated.....	Per dozen	32.00	32.00
Add for Caps.....	Per dozen	2.00	2.00

Unless otherwise ordered, Sill Cocks will always be sent without Caps.

COMPRESSION URINAL COCKS

FOR LEAD PIPE

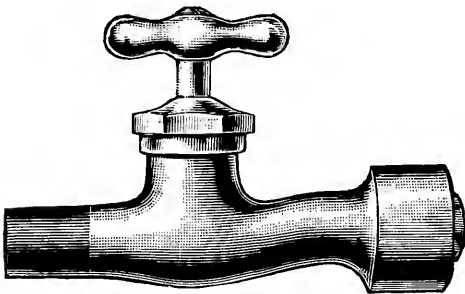


FIG. A-53.

FOR IRON PIPE

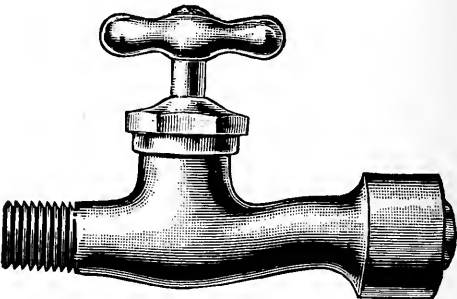


FIG. A-54.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
For Lead Pipe, finished .....	Per dozen	17.00	18.00	20.00
For Lead Pipe, nickel-plated .....	Per dozen	20.00	21.00	23.00
For Iron Pipe, finished .....	Per dozen	18.00	19.00	21.00
For Iron Pipe, nickel-plated .....	Per dozen	21.00	22.00	24.00
For Stuffing Box add to regular list .....	Per dozen	2.00	2.00	2.00

COMPRESSION URINAL COCKS

WITH LOOSE KEY

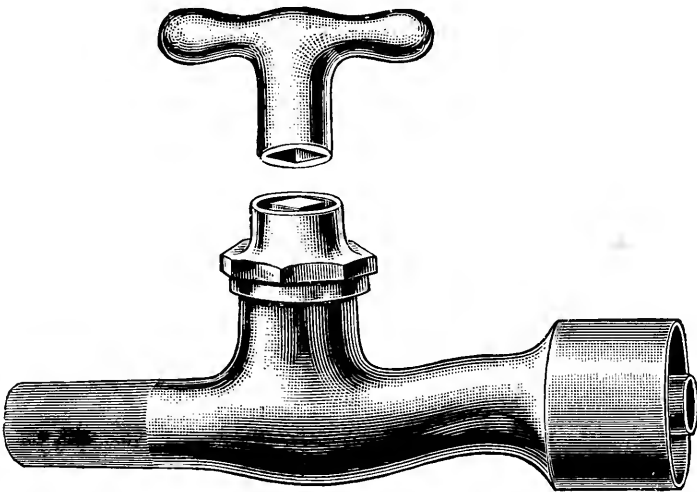


FIG. A-55.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
For Lead Pipe, finished .....	Per dozen	23.00	24.00	26.00
For Lead Pipe, nickel-plated .....	Per dozen	26.00	27.00	29.00
For Iron Pipe, finished .....	Per dozen	24.00	25.00	27.00
For Iron Pipe, nickel-plated .....	Per dozen	27.00	28.00	30.00

COMPRESSION STOP COCKS  
FOR LEAD PIPE

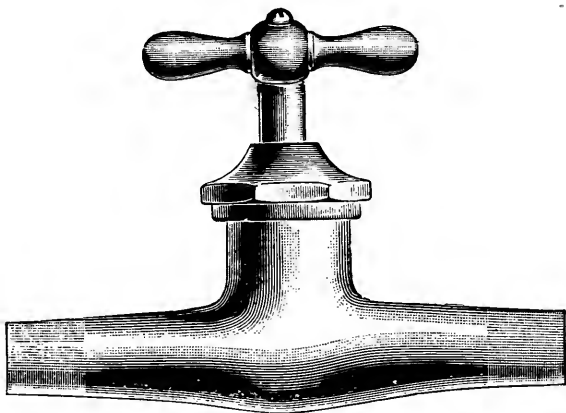


FIG. A-56.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	11.00	12.00	14.00	22.00	36.00
Nickel-plated .....	Per dozen	13.00	14.50	16.50	24.50	39.00
For Stuffing Box add to regular list. Per doz		2.00	2.00	2.00	3.00	4.00

COMPRESSION STOP COCKS  
FOR IRON PIPE

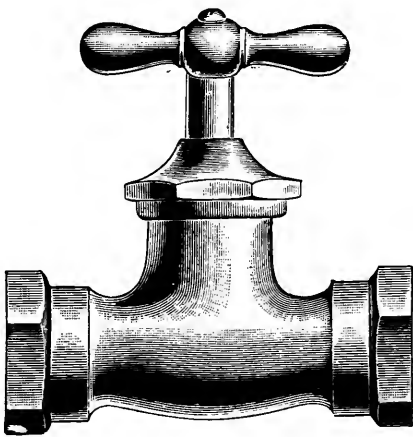


FIG. A-57.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	13.00	14.00	16.00	24.00	40.00
Nickel-plated .....	Per dozen	15.00	16.50	18.50	26.50	43.00
For Stuffing Box add to regular list. Per doz		2.00	2.00	2.00	3.00	4.00

COMPRESSION STOP AND WASTE COCKS

WITH STUFFING BOX

FOR LEAD PIPE

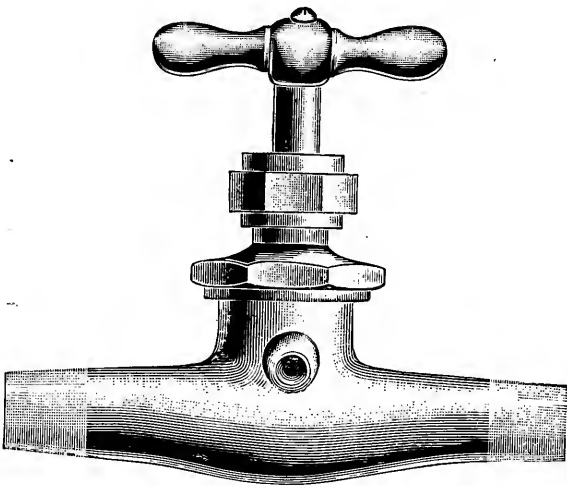


FIG. A—58.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1	
Finished .....	Per dozen	16.50	19.50	27.00	44.00	
Nickel-plated .....	Per dozen	19.00	22.00	29.50	47.00	

COMPRESSION STOP AND WASTE COCKS

WITH STUFFING BOX

FOR IRON PIPE

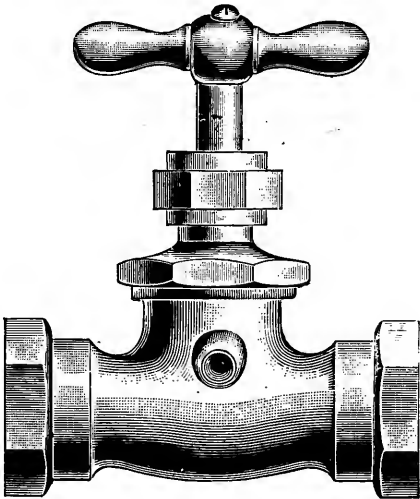


FIG. A—59.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	17.50	18.50	21.50	29.00	48.00
Nickel-plated .....	Per dozen	20.00	21.00	24.00	31.50	51.00

NOTE—Above lists include Waste Tubes.

FULLER PLAIN BIBBS

FOR LEAD PIPE

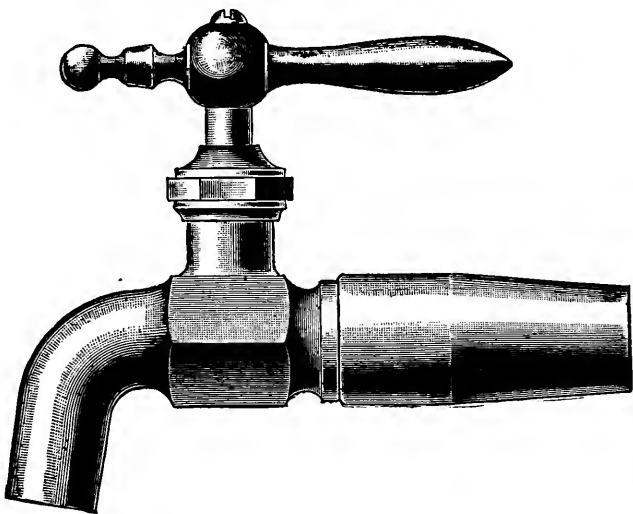


FIG. A-60.

Size	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Finished	Per dozen	18.00	20.00	26.00	36.00
Nickel-plated	Per dozen	22.00	24.00	32.00	46.00

FULLER HOSE BIBBS

FOR LEAD PIPE

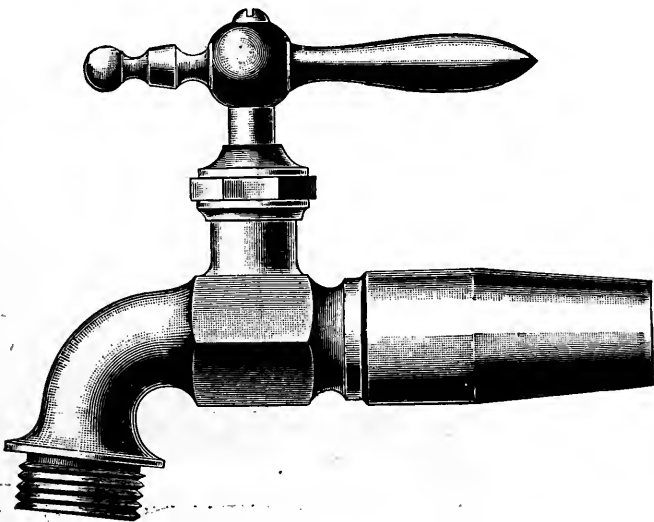


FIG. A-61.

Size	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Finished	Per dozen	21.00	24.00	30.00	40.00
Nickel-plated	Per dozen	25.00	28.00	36.00	50.00

FULLER PLAIN BIBBS

FOR IRON PIPE

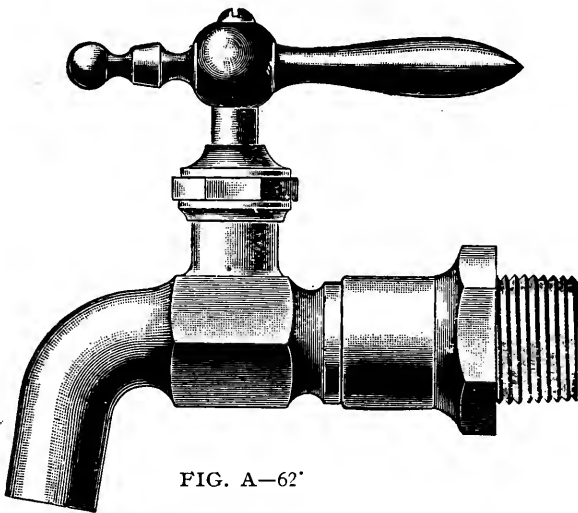


FIG. A-62'

Size .....	..... Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	..... Per dozen	21.00	24.00	30.00	40.00
Nickel-plated .....	..... Per dozen	25.00	28.00	36.00	50.00

FULLER HOSE BIBBS

FOR IRON PIPE

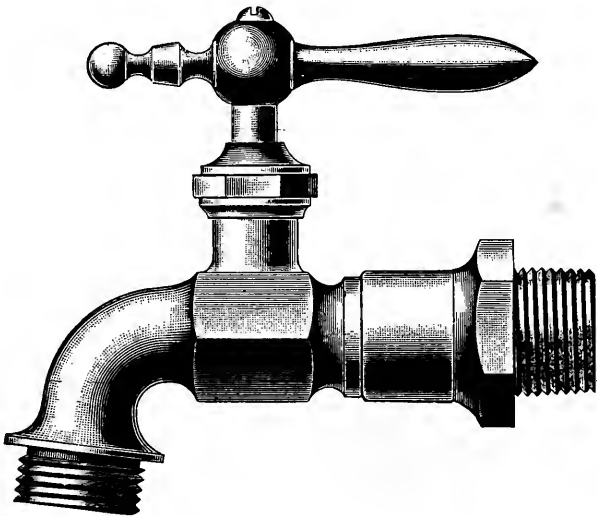


FIG. A- 63.

Size .....	..... Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	..... Per dozen	24.00	28.00	34.00	44.00
Nickel-plated .....	..... Per dozen	28.00	32.00	40.00	54.00

FULLER PLAIN BIBBS

WITH SOLID FLANGE

FOR IRON PIPE

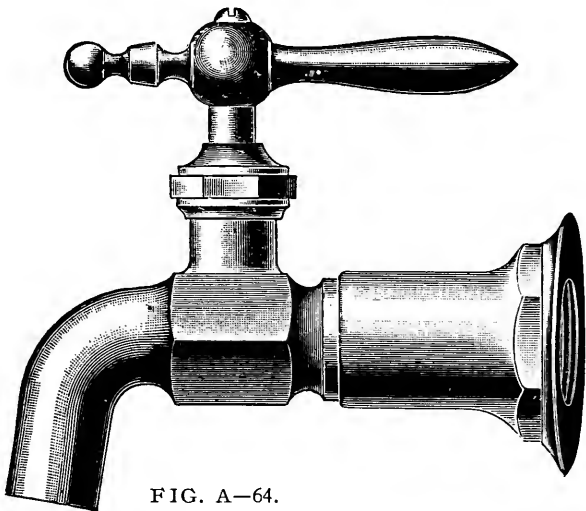


FIG. A-64.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	23.50	25.50	33.00	44.00
Nickel-plated .....	Per dozen	29.50	31.50	39.00	54.00

FULLER HOSE BIBBS

WITH SOLID FLANGE

FOR IRON PIPE

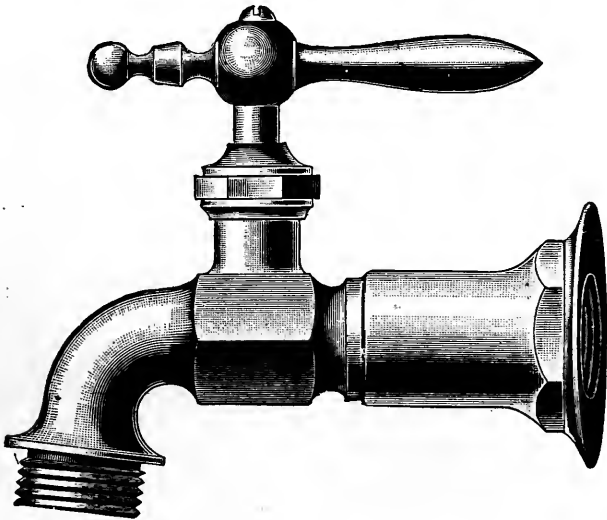


FIG. A-65.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	26.50	29.50	37.00	48.00
Nickel-plated .....	Per dozen	32.50	35.50	43.00	58.00

FULLER PLAIN BIBBS  
WITH LOOSE FLANGE  
FOR IRON PIPE

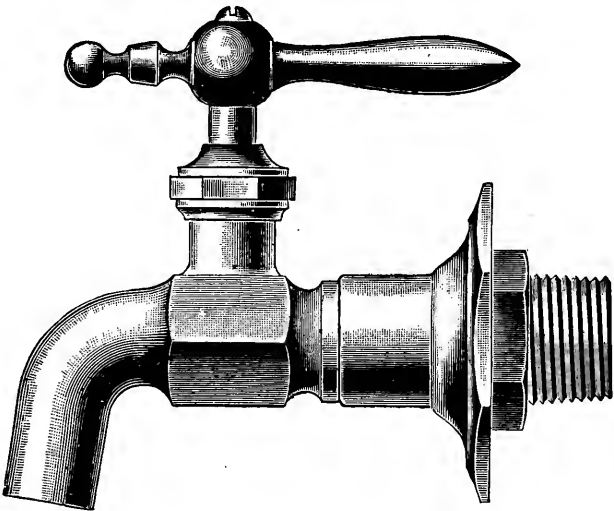


FIG. A-66.

Size .....	Inches .....	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen .....	29.00	32.00	40.00	52.00
Nickel-plated .....	Per dozen .....	35.00	38.00	46.00	62.00

FULLER PLAIN BIBBS  
WITH LOOSE FLANGE, NUT, AND BENT COUPLING

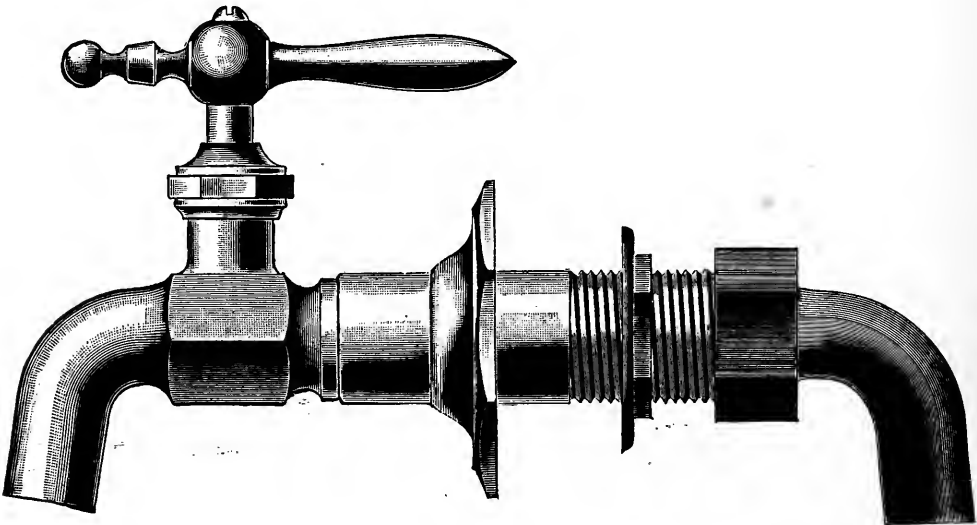


FIG. A-67.

Size .....	Inches .....	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen .....	35.00	40.00	54.00	72.00
Nickel-plated .....	Per dozen .....	41.00	46.00	60.00	82.00



FULLER WASH TRAY BIBBS

WITH LOOSE FLANGE

FOR IRON PIPE

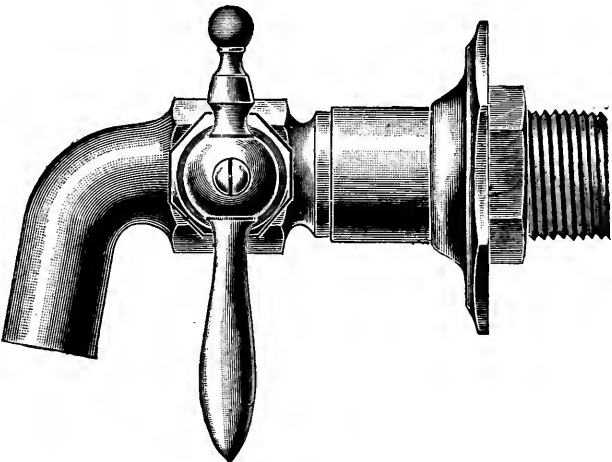


FIG. A-68.

Size .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	29.00	32.00	40.00	54.00
Nickel-plated .....	Per dozen	35.00	38.00	46.00	64.00

FULLER WASH TRAY BIBBS

WITH LOOSE FLANGE, NUT, AND BENT COUPLING

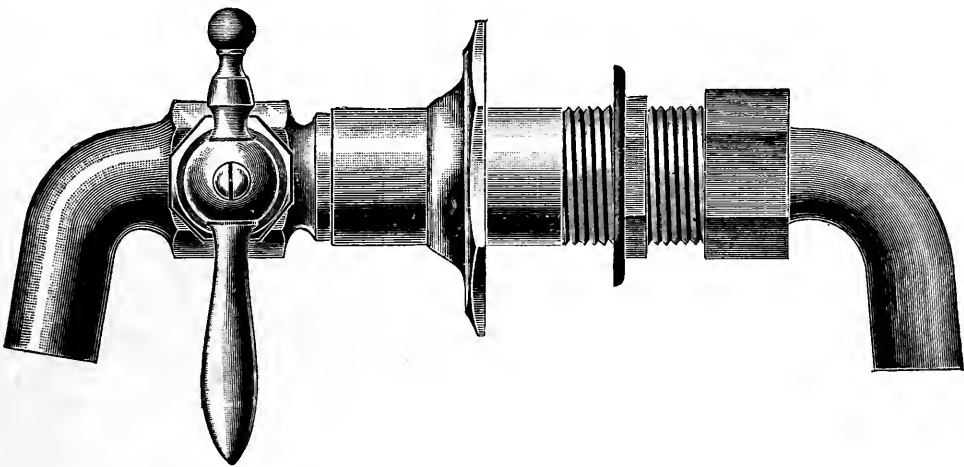


FIG. A-69.

Size .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished .....	Per dozen	35.00	40.00	54.00	74.00
Nickel-plated .....	Per dozen	41.00	46.00	60.00	84.00

## FULLER BASIN COCKS

No. O

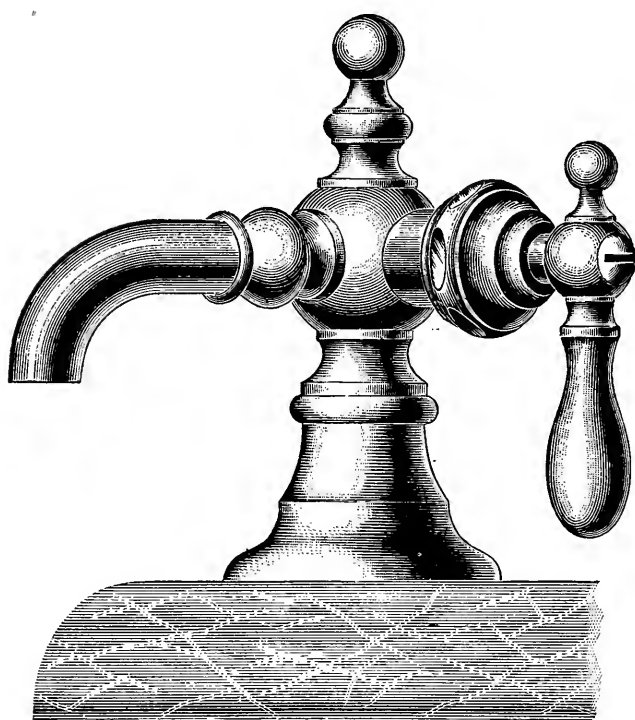


FIG. A-70.

Nickel-plated.....Per dozen 40.00

## FULLER BASIN COCKS

No. 1

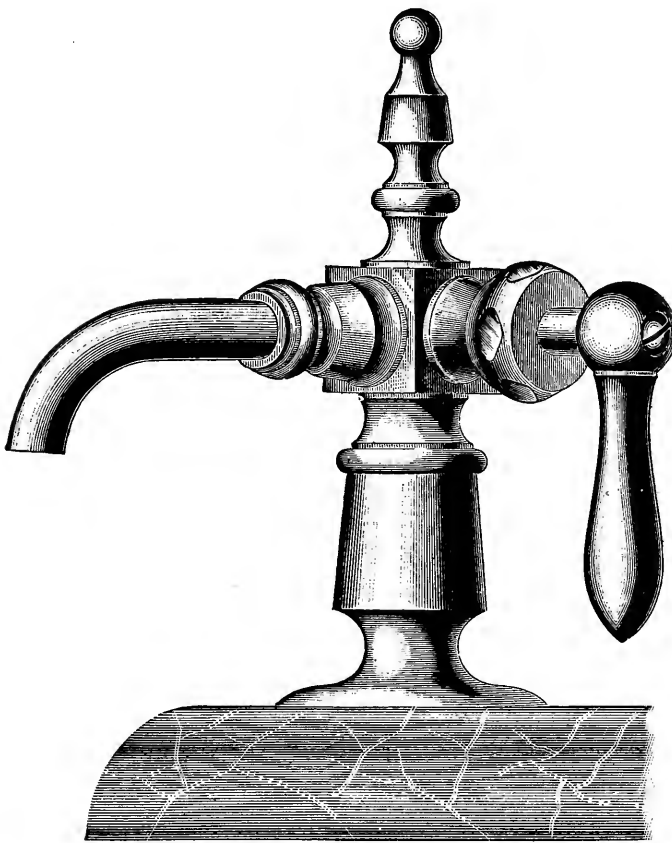


FIG. A-71.

Nickel-plated.....Per dozen 40.00

FULLER BASIN COCKS

No. 2

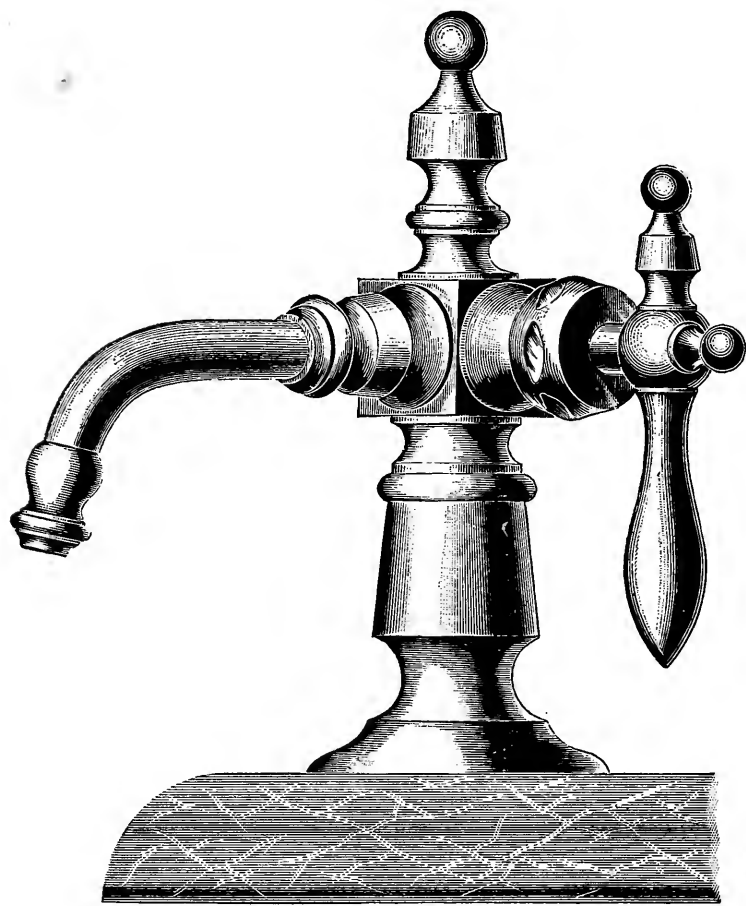


FIG. A-72.

Nickel-plated ..... Per dozen, 44.00

## FULLER BASIN COCKS

No. 4

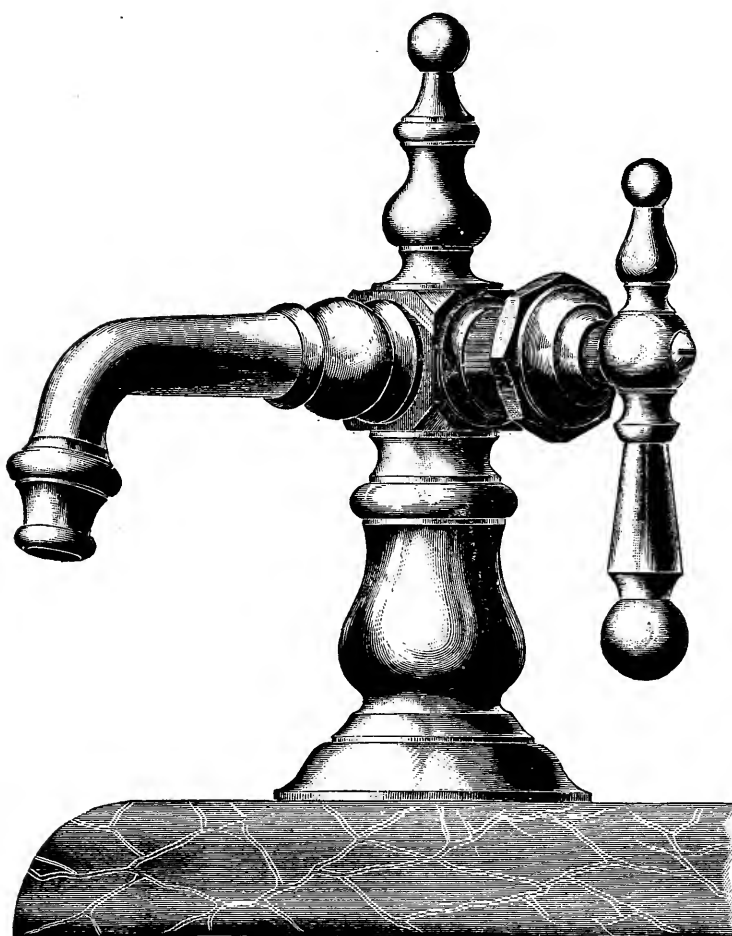


FIG. A-73.

Nickel-plated..... Per dozen, 64.00

FULLER PANTRY COCKS

No. 1

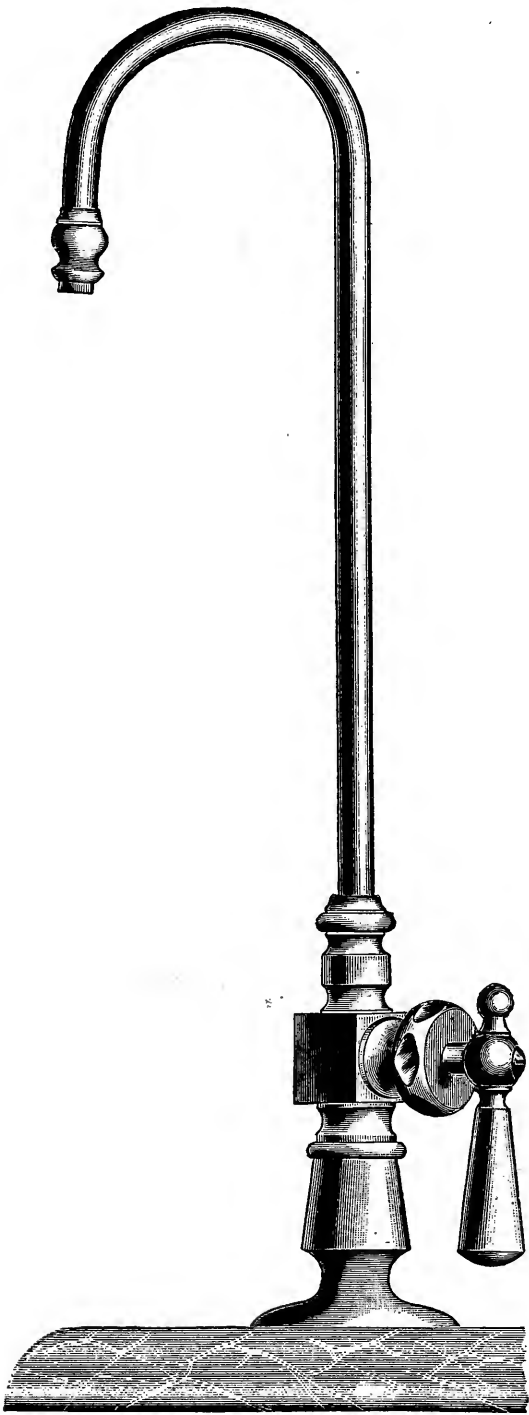


FIG. A-74.

Nickel-plated.....Per dozen, 42.00

FULLER PANTRY COCKS

No. 2

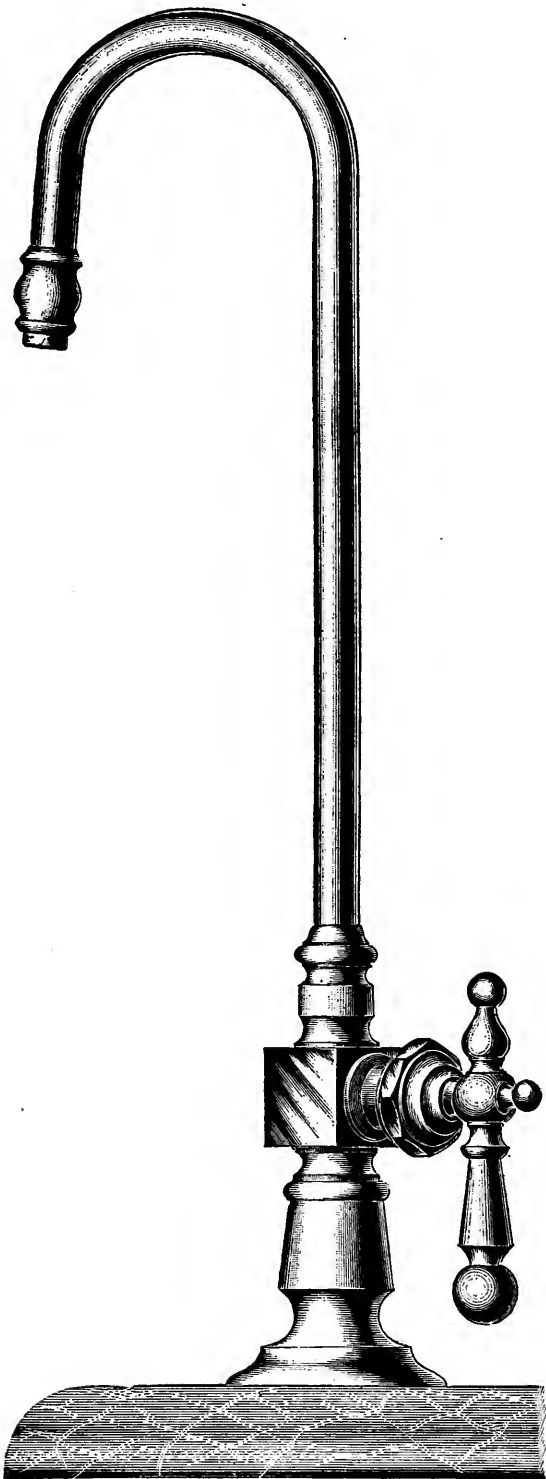


FIG. A-75.

Nickel-plated.....	Per dozen, 50.00
For Hose End, add to list.....	Per dozen, 3.00

FULLER BATH BIBBS  
WITH FLANGE  
FOR IRON PIPE

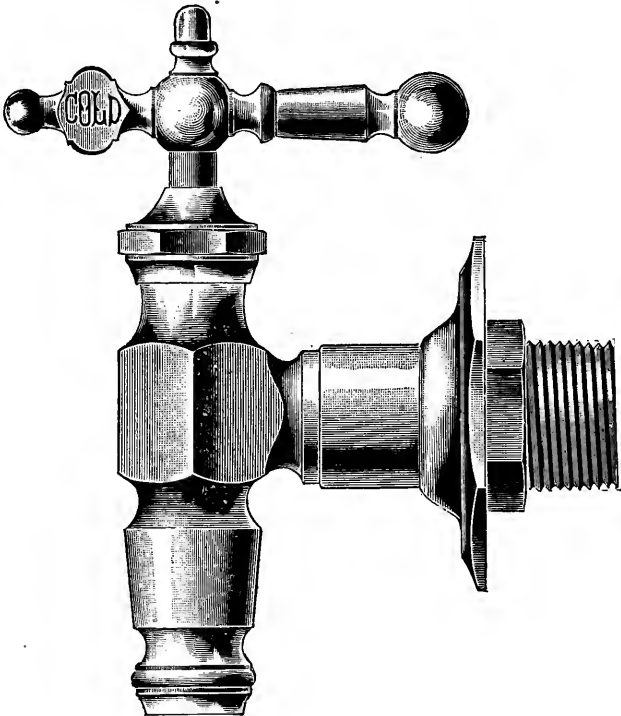


FIG. A-76.

Size-----	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished-----	Per dozen	28.00	32.00	38.00	52.00
Nickel-plated-----	Per dozen	34.00	38.00	44.00	60.00

FULLER BATH BIBBS  
WITH FLANGE  
FOR LEAD PIPE

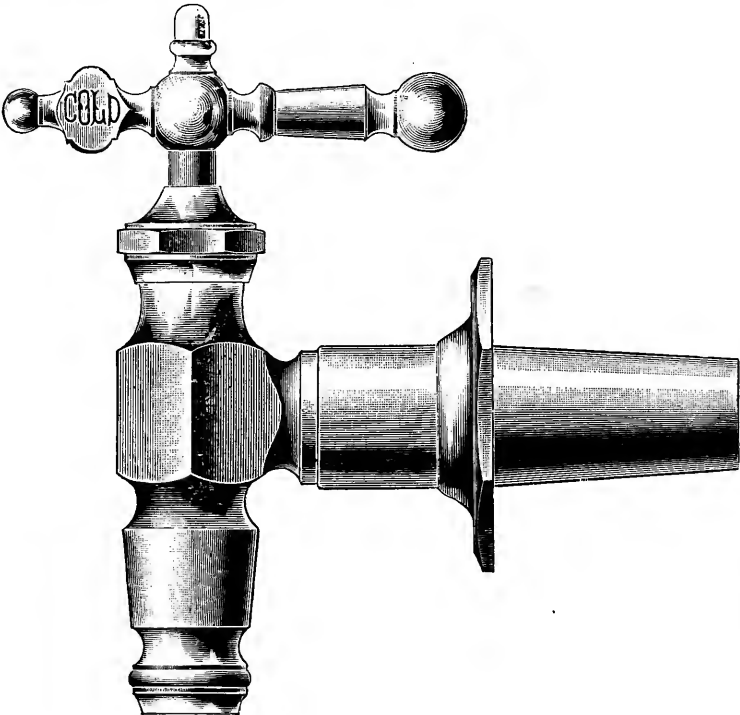


FIG. A-77.

Size-----	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Finished-----	Per dozen	25.00	28.00	34.00	48.00
Nickel-plated-----	Per dozen	31.00	34.00	40.00	56.00



FULLER DOUBLE BATH COCK

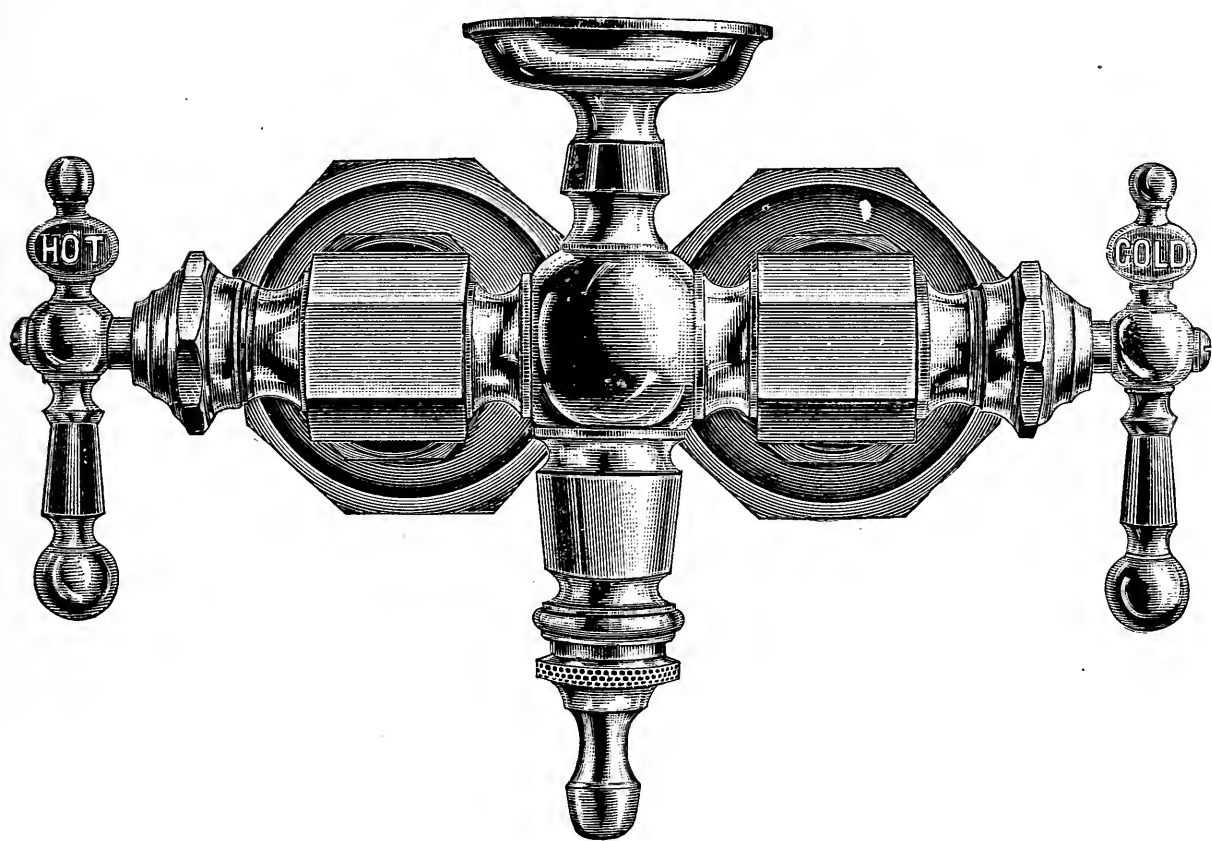


FIG. A-78.

3 1-2 INCHES SPREAD BETWEEN CENTERS

No. 4½, Nickel-plated	-----	Each, 12.00
No. 7, Nickel-plated	-----	Each, 9.00

FULLER STOP COCKS

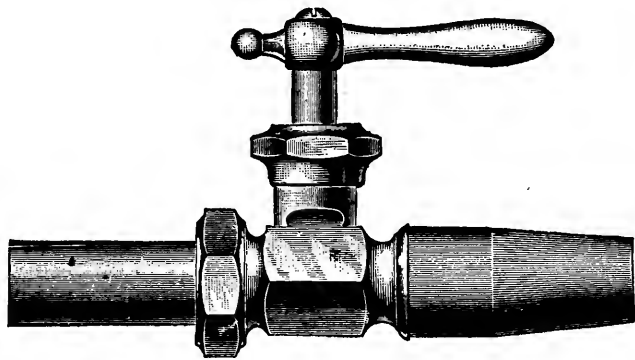


FIG. A-79.

Size	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
For Lead Pipe, Finished	Per dozen	20.00	24.00	28.00	40.00
For Lead Pipe, Nickel-plated	Per dozen	25.00	30.00	34.00	50.00
For Iron Pipe, Finished	Per dozen	21.00	26.00	30.00	43.00
For Iron Pipe, Nickel-plated	Per dozen	26.00	32.00	36.00	53.00

FULLER URINAL COCKS

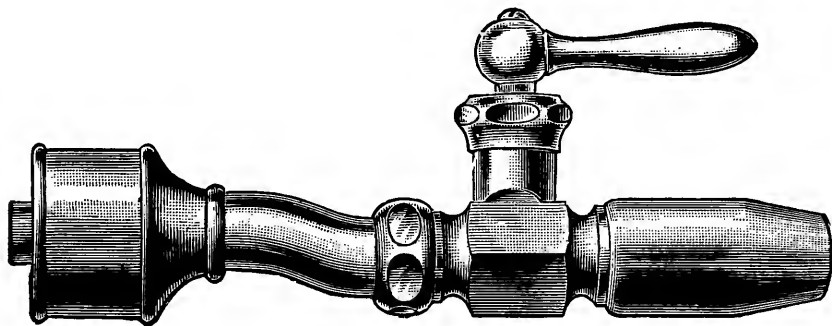


FIG. A-80.

Size	Inches	$\frac{1}{2}$	$\frac{3}{8}$
For Lead Pipe, Finished	Per dozen	27.00	31.00
For Lead Pipe, Nickel-plated	Per dozen	29.50	33.50
For Iron Pipe, Finished	Per dozen	30.00	34.00
For Iron Pipe, Nickel-plated	Per dozen	32.50	36.50

FULLER REPAIRS

ECENTRIC

FULLER STEM WITH BALL

RUBBER BALL



FIG. A-81.

FIG. A-82.

FIG. A-83.

Size	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Eccentrics	Per dozen	3.00	3.00	4.00	6.00
Stem with Ball	Per dozen	3.00	3.00	4.00	6.00
Rubber Balls	Per dozen	.75	.75	1.00	1.25

**'BOSTON' SELF-CLOSING WORK  
BASIN COCKS**

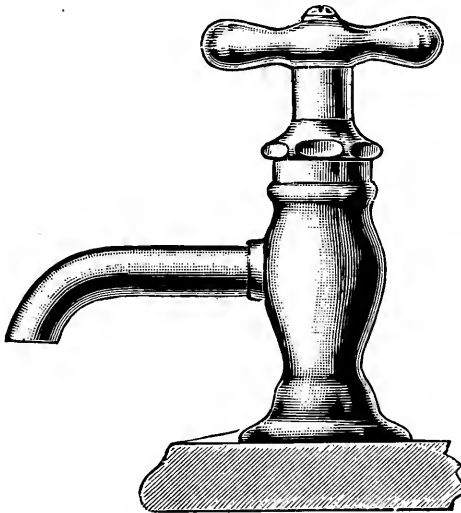


FIG. A-84.

**'BOSTON' SELF-CLOSING BASIN COCKS**

Nickel-plated .....	Per dozen, 48.00
---------------------	------------------

**"BOSTON" SELF-CLOSING PANTRY COCKS**

Nickel-plated .....	Per dozen, 64.00
---------------------	------------------

**"BOSTON" SELF-CLOSING PLAIN BIBBS  
FOR LEAD PIPE**

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Finished .....	Per dozen	21.00	24.00	27.00
Nickel-plated .....	Per dozen	25.00	28.00	31.00

**"BOSTON" SELF-CLOSING PLAIN BIBBS  
FOR IRON PIPE**

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$
Finished .....	Per dozen	25.00	28.00	31.00
Nickel-plated .....	Per dozen	29.00	32.00	35.00

**"BOSTON" SELF-CLOSING URINAL COCKS  
FOR LEAD PIPE**

Finished .....	Per dozen, 36.00
Nickel-plated .....	Per dozen 41.00

**"BOSTON" SELF-CLOSING URINAL COCKS  
FOR IRON PIPE**

Finished .....	Per dozen, 40.00
Nickel-plated .....	Per dozen, 45.00

**"DOHERTY" SELF-CLOSING WORK  
BASIN COCKS**

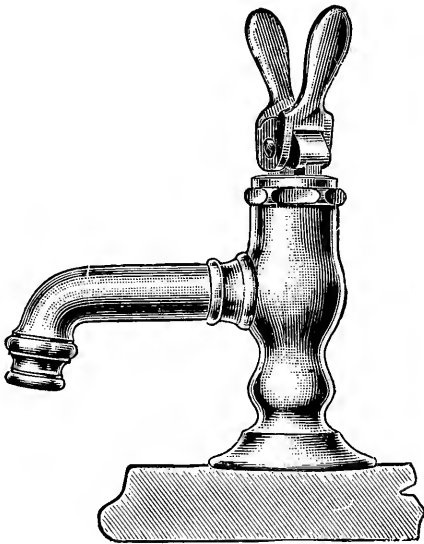


FIG. A-85.

**"DOHERTY" SELF-CLOSING BASIN COCKS**

Nickel-plated	Per dozen, 48.00
---------------	------------------

**"DOHERTY" SELF-CLOSING PANTRY COCKS**

Nickel-plated	Per dozen, 69.00
---------------	------------------

**"DOHERTY" SELF-CLOSING PLAIN BIBBS  
FOR LEAD PIPE**

Size	Inches	$\frac{1}{2}$	$\frac{3}{8}$
Finished	Per dozen	24.00	27.00
Nickel-plated	Per dozen	30.00	33.00

**"DOHERTY" SELF-CLOSING PLAIN BIBBS  
FOR IRON PIPE**

Size	Inches	$\frac{1}{2}$	$\frac{3}{8}$
Finished	Per dozen	27.00	30.00
Nickel-plated	Per dozen	33.00	36.00

**"DOHERTY" SELF-CLOSING URINAL COCKS  
FOR LEAD PIPE**

Finished	Per dozen, 35.00
Nickel-plated	Per dozen, 41.00

**"DOHERTY" SELF-CLOSING URINAL COCKS  
FOR IRON PIPE**

Finished	Per dozen, 39.00
Nickel-plated	Per dozen, 45.00

"TELEGRAPH" SELF-CLOSING WORK  
BASIN COCKS

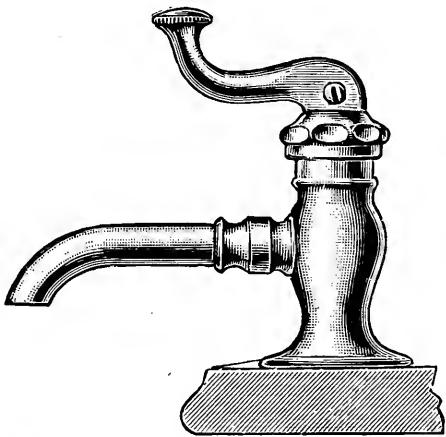


FIG. A-86.

"TELEGRAPH" SELF-CLOSING BASIN COCKS

Nickel-plated.....	Per dozen, 27.00
--------------------	------------------

"TELEGRAPH" SELF-CLOSING PLAIN BIBBS  
FOR LEAD PIPE

Size.....Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Finished.....Per dozen	15.00	17.00	20.00	26.00
Nickel-plated.....Per dozen	17.00	19.50	22.50	28.50

"TELEGRAPH" SELF-CLOSING PLAIN BIBBS  
FOR IRON PIPE

Size.....Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Finished.....Per dozen	16.00	18.00	21.00	28.00
Nickel-plated.....Per dozen	18.00	20.50	23.50	30.00

"JOHNSON" SELF-CLOSING HOPPER COCKS

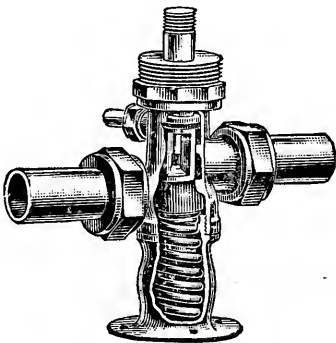


FIG. A-87.

For Lead Pipe.....	Each, 1.50
For Iron Pipe.....	Each, 1.75

# BALL COCKS

TOP SUPPLY

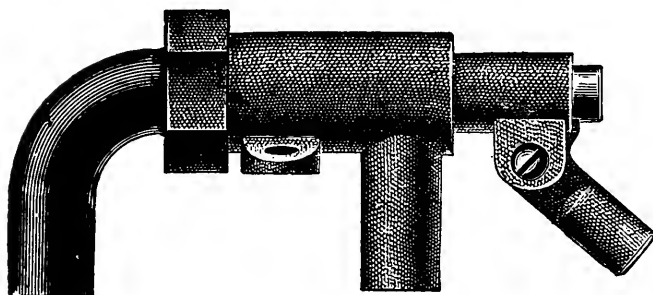


FIG. A-88.

Price ..... Each, 1.50

BOTTOM SUPPLY

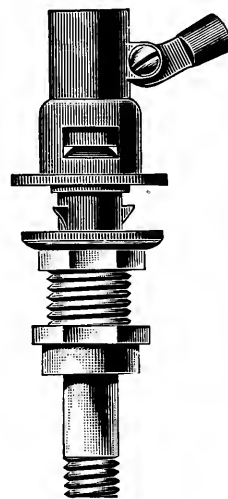


FIG. A-89.

Price ..... Each, 1.50

BOTTOM SUPPLY

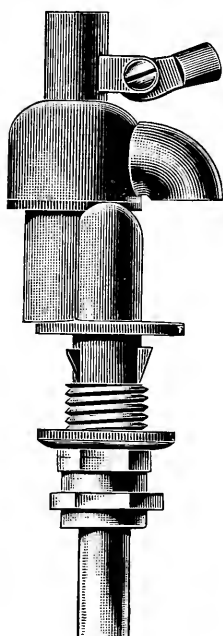


FIG. A-90.

Price, ..... Each, 2.50

BOTTOM SUPPLY

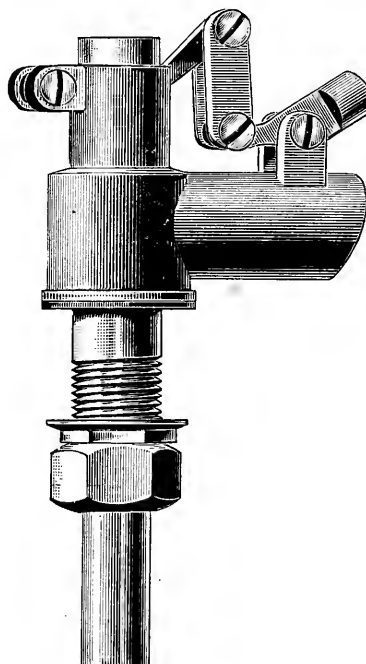


FIG. A-91.

Priec ..... Each 2.50,

FULLER BALL COCK.

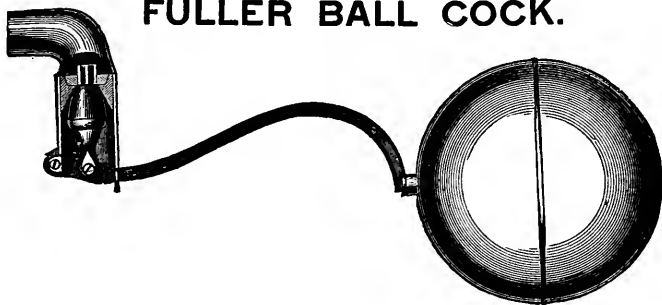


FIG. A-92.

WITH BALLS			WITHOUT BALLS				
Size-----Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
For Lead Pipe-----Per dozen	27.00	34.00	50.00	60.00	75.00	90.00	120.00
For Iron Pipe-----Per dozen	32.00	38.00	56.00	68.00	85.00	100.00	130.00

CLOSET TANK SYPHONS

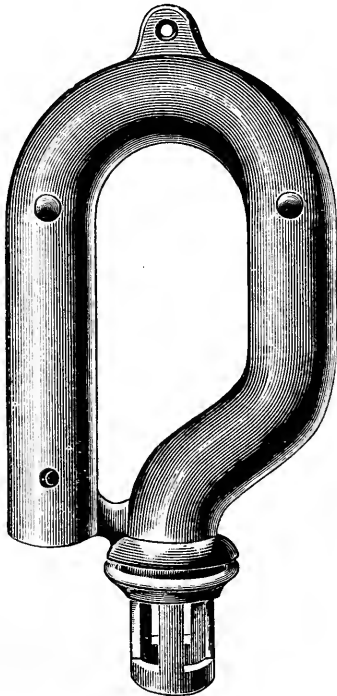


FIG. A-93.



FIG. A-94.

Size ..	Inches	$1\frac{1}{4}$	$1\frac{1}{2}$
Price .....	Each	2.00	3.00

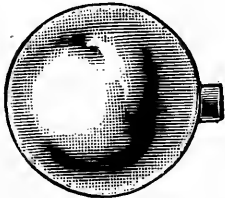


FIG. A-95.

COPPER BALLS

Size .....	Inches	5	6	7	8	9	10	12
Price, with Stems .....	Per dozen	6.00	7.00	10.50	24.00	36.00	48.00	72.00
Price, Tapped for Iron Pipe .....	Per dozen	4.00	6.00	9.00	15.00	25.00	40.00	60.00

SOLDERING NIPPLES

MALE

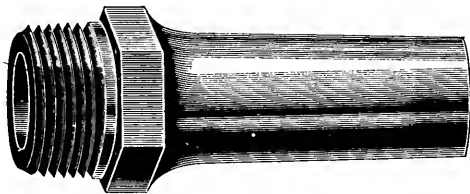


FIG. A-96.

Size-----Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price-----Per dozen	1.75	2.25	2.50	3.00	5.00	7.50	10.00	14.00

SOLDERING NIPPLES

FEMALE

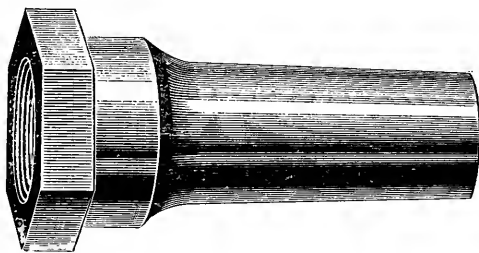


FIG. A-97.

Size-----Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price-----Per dozen	1.75	2.25	2.50	3.00	5.00	7.50	10.00	14.00

SOLDERING UNIONS

STRAIGHT

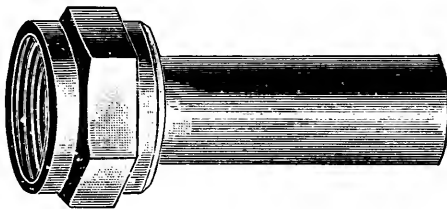


FIG. A-98.

Size-----Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Straight-----Per dozen	2.25	2.75	3.25	4.00	6.00	8.50	12.00	18.00
Bent-----Per dozen	3.00	3.75	4.75	6.50	9.00	11.50	17.00	24.00



BOILER COUPLINGS

STRAIGHT, FOR LEAD PIPE

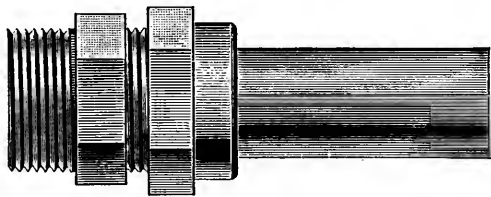


FIG. A-99.

BENT, FOR LEAD PIPE

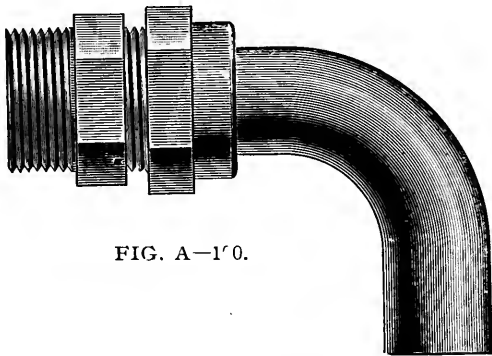


FIG. A-100.

Size	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Plain Face, Straight	Per dozen	7.50	8.00	11.00
Plain Face, Bent	Per dozen	8.50	9.00	12.00
Plain Face, per set (3 Bent, 1 Straight)			2.50	
Ground Face, Straight	Per dozen	8.50	9.00	12.50
Ground Face, Bent	Per dozen	9.50	10.00	13.50
Ground Face, per set (3 Bent, 1 Straight)			2.75	

BOILER COUPLINGS

STRAIGHT, FOR IRON PIPE

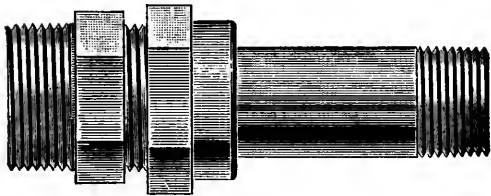


FIG. A-101.

BENT, FOR IRON PIPE

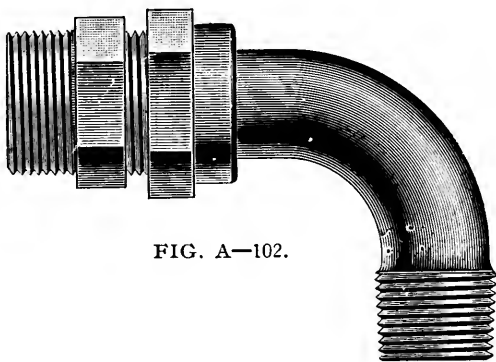


FIG. A-102.

Size	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Plain Face, Straight	Per dozen	8.50	10.00	14.00
Plain Face, Bent	Per dozen	9.50	11.00	15.00
Plain Face, per set (3 Bent, 1 Straight)			3.00	
Ground Face, Straight	Per dozen	9.50	11.00	15.50
Ground Face, Bent	Per dozen	10.50	12.00	16.50
Ground Face, per set (3 Bent, 1 Straight)			3.25	

WATER-BACK COUPLINGS

STRAIGHT, FOR LEAD PIPE

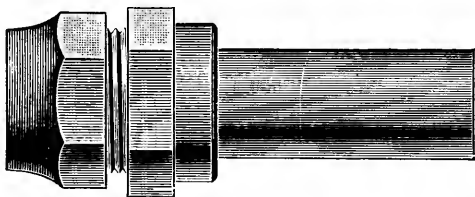


FIG. A-103.

BENT, FOR LEAD PIPE

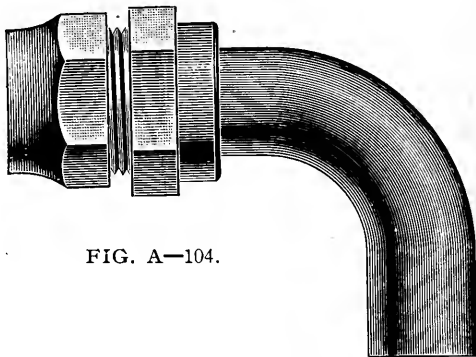


FIG. A-104.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Plain Face, Straight .....	Per dozen	6.50	7.00	10.00
Plain Face, Bent .....	Per dozen	7.50	8.00	11.00
Ground Face, Straight .....	Per dozen	7.50	8.00	11.50
Ground Face, Bent .....	Per dozen	8.50	9.00	12.50

WATER-BACK COUPLINGS

STRAIGHT, FOR IRON PIPE

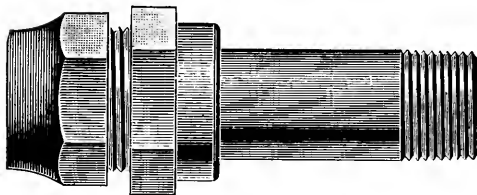


FIG. A-105.

BENT, FOR IRON PIPE

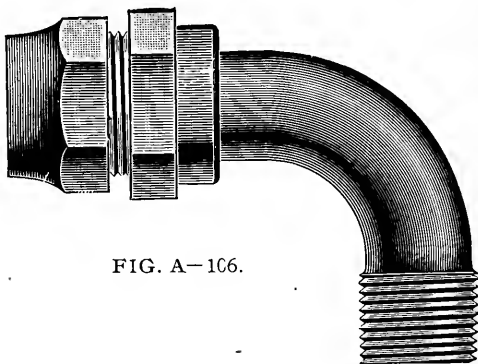


FIG. A-106.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Plain Face, Straight .....	Per dozen	7.50	9.00	13.00
Plain Face, Bent .....	Per dozen	8.50	10.00	14.00
Ground Face, Straight .....	Per dozen	8.50	10.00	14.50
Ground Face, Bent .....	Per dozen	9.50	11.00	15.50

FLUSH AND SUPPLY PIPES

FOR CLOSETS

STRAIGHT SUPPLY PIPES



FIG. A-107.

3⁄8-inch, Iron Pipe Size, Nickel-plated	Each, 3.90
5⁄8-inch, Number 17 Gauge, Nickel-plated	Each, 2.70

OFFSET SUPPLY PIPES



FIG. A 108.

3⁄8-inch, Iron Pipe Size, Nickel-Plated	Each, 4.00
5⁄8-inch, Number 17 Gauge, Nickel-Plated	Each, 3.40

STRAIGHT FLUSH PIPES



FIG. A-109.

Inside Diameter	Inches	1¼	1⅜	1½
Number 20 Gauge, Nickel-Plated	Each	3.40	3.70	4.00

OFFSET FLUSH PIPES



FIG. A 110.

Inside Diameter	Inches	1¼	1⅜	1½
Number 20 Gauge, Nickel-plated	Each	3.70	4.20	4.80

LAVATORY SUPPLY PIPES

(FROM FLOOR)

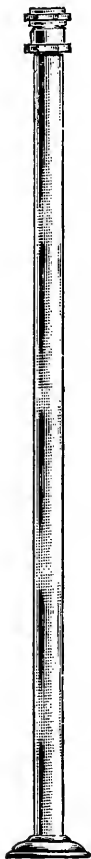


FIG. A-111.

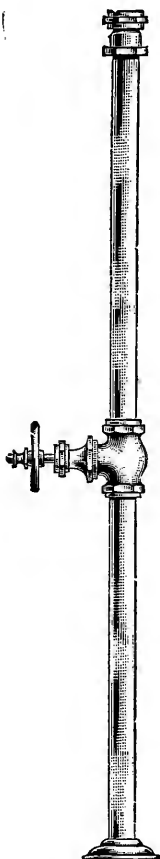


FIG. A-112.

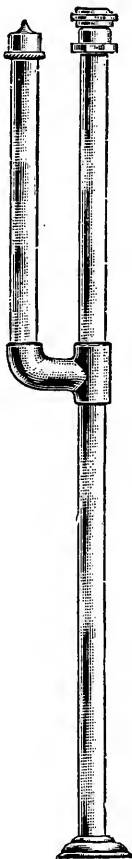


FIG. A-113.

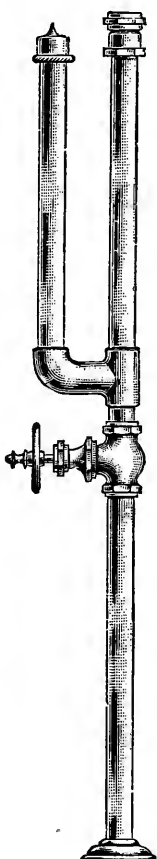


FIG. A-114.

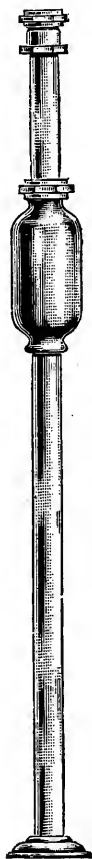


FIG. A-115.

Fig. A-111.	Nickel-plated	Per pair, 3.00
Fig. A-112.	Nickel-plated	Per pair, 5.50
Fig. A-113.	Nickel-plated	Per pair, 5.00
Fig. A-114.	Nickel-plated	Per pair, 7.50
Fig. A-115.	Nickel-plated	Per pair, 6.00
Fig. A-115.	Nickel-plated, with Compression Stop	Per pair, 8.50

Unless otherwise ordered, 3/8-inch Iron Pipe size will always be furnished.

## LAVATORY SUPPLY PIPES

(FROM WALL)

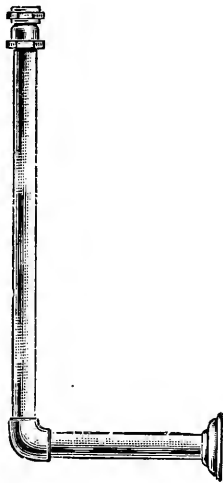


FIG. A-116.

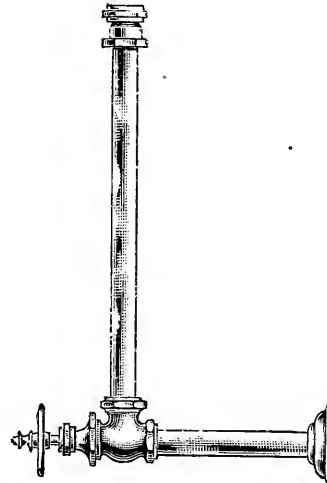


FIG. A-117.

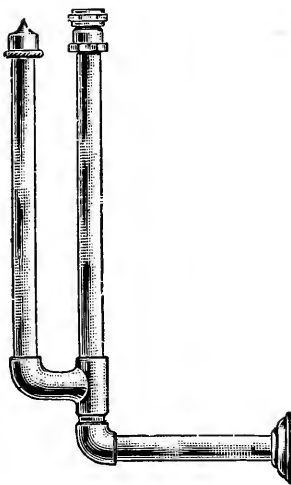


FIG. A-118.

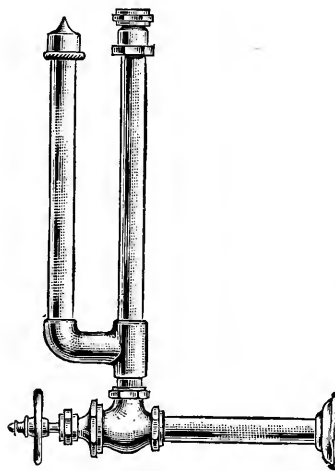


FIG. A-119.

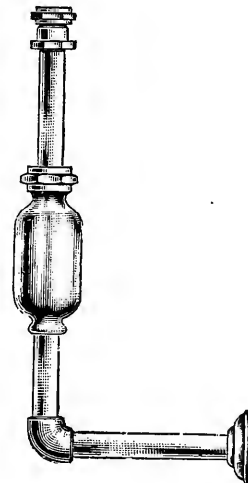


FIG. A-120.

Fig. A-116. Nickel-plated .....	Per pair, 3.00
Fig. A-117. Nickel-plated .....	Per pair, 5.50
Fig. A-118. Nickel-plated .....	Per pair, 5.00
Fig. A-119. Nickel-plated .....	Per pair, 7.50
Fig. A-120. Nickel-plated .....	Per pair, 6.00
Fig. A-120. Nickel-plated, with Compression Stop .....	Per pair, 8.50

Unless otherwise ordered,  $\frac{3}{8}$ -inch Iron Pipe size will always be furnished.

BATH SUPPLY PIPES

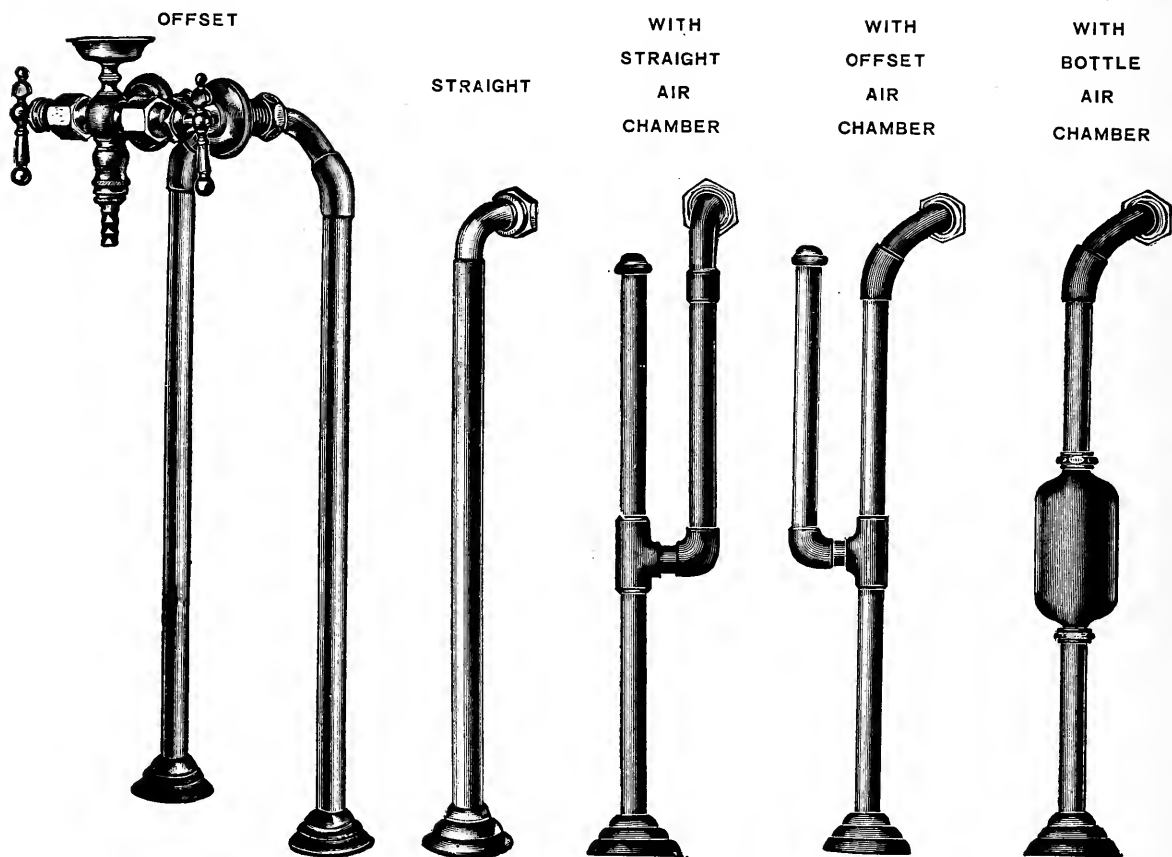


FIG. A-121. FIG. A-122. FIG. A-123. FIG. A-124. FIG. A-125.

	Supply Pipes only	Supply Pipes with No. 4½ Nickel-plated Fuller Bath Cock
Fig. A-121. Nickel-plated ----- Per pair	4.25	8.50
Fig. A-122. Nickel-plated ----- Per pair	3.75	8.00
Fig. A-123. Nickel-plated ----- Per pair	7.25	11.50
Fig. A-124. Nickel-plated ----- Per pair	7.75	12.00
Fig. A-125. Nickel-plated ----- Per pair	8.75	13.00

Supply Pipes, with Compression Double Bath Cock same price as with Fuller Bath Cock.

We recommend furnishing Supply Pipes with Bath Cocks. You will then be sure of perfect fitting joints.

**STRAIGHT BASIN WASTE**

WITH RUBBER STOPPER



FIG. A-126.

Price ..... Each, 2.50

NICKEL-PLATED  
AND  
POLISHED  
ALL OVER

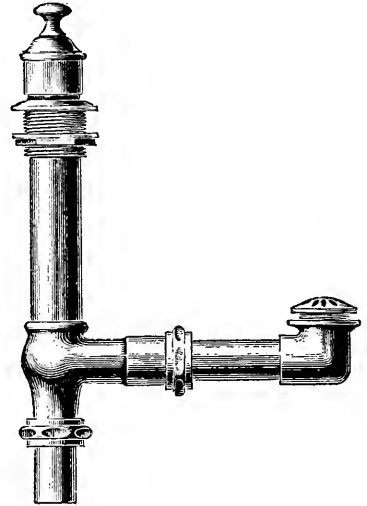
**"IDEAL" BASIN WASTE**

FIG. A-127.

Price ..... Each, 6.00

**CONNECTED WASTE  
AND OVERFLOW**

FOR BATH TUB

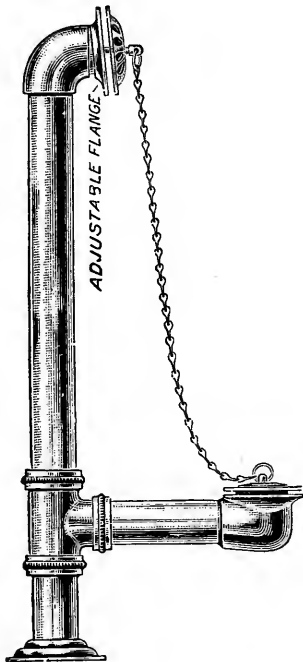


FIG. A-128.

Price ..... Each, 4.00

NICKEL-PLATED  
AND  
POLISHED  
ALL OVER

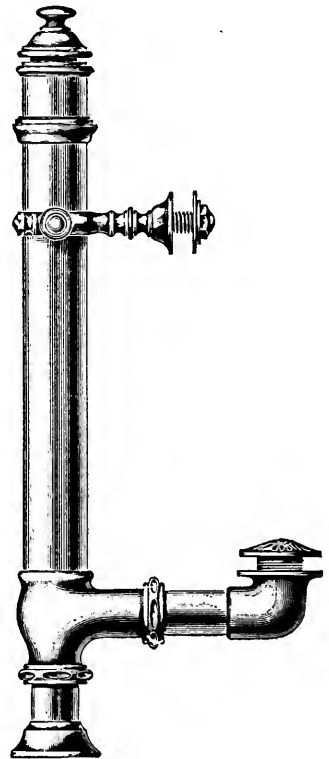
**"IDEAL" BATH WASTE**

FIG. A-129.

Price ..... Each, 10.50

NICKEL-PLATED BRASS BASIN TRAPS

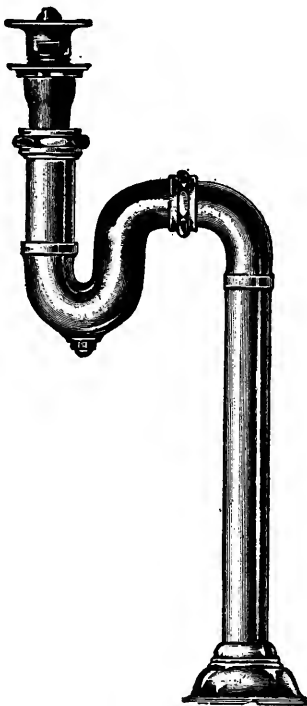


FIG. A-130.

Size .....	Inches	1¼	1½	2
Price .....	Each	4.80	6.00	11.00

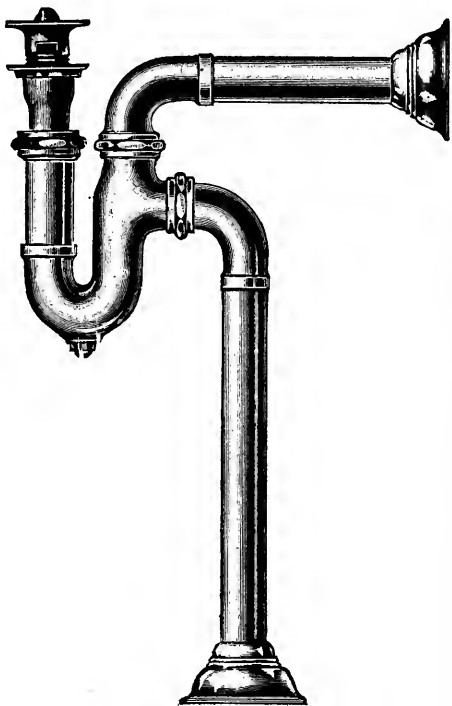


FIG. A-131.

Size .....	Inches	1¼	1½	2
Price .....	Each	5.50	6.70	12.70

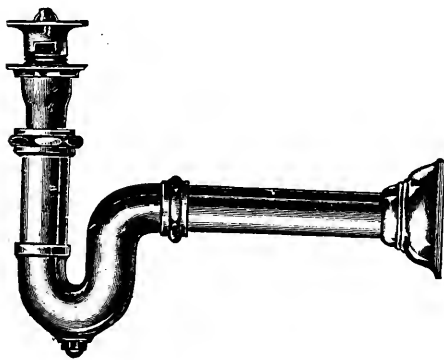


FIG. A-132.

Size .....	Inches	1¼	1½	2
Price .....	Each	4.80	6.00	11.00

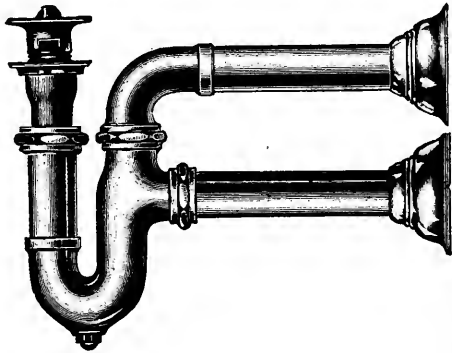


FIG. A-133.

Size .....	Inches	1¼	1½	2
Price .....	Each	5.50	6.70	12.70



NICKEL-PLATED BRASS BASIN TRAPS

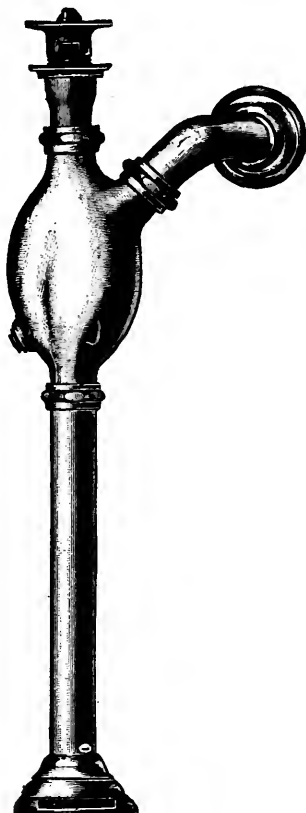


FIG. A-134.

Size .....	Inches	1¼	1½
Price .....	Each	8.30	10.20

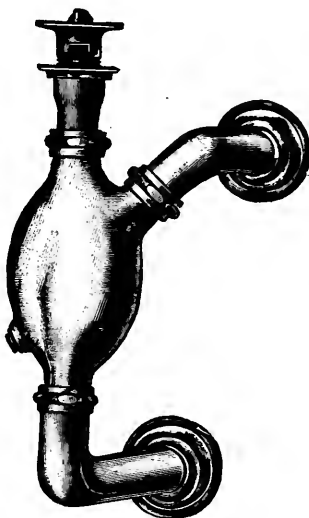


FIG. A-135.

Size .....	Inches	1¼	1½
Price .....	Each	8.30	10.20

BASIN PLUGS

COMMON OVERFLOW

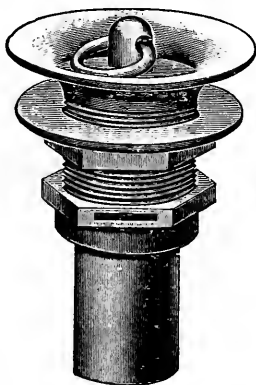


FIG. A-136.

WITH METAL STOPPERS			
Size .....	Inches	1	
Nickel-plated .....	Per dozen	8.50	

WITH RUBBER STOPPERS			
Size .....	Inches	1	1¼
Nickel-plated .....	Per dozen	5.50	9.00

RUBBER  
OR  
METAL  
STOPPERS

BASIN PLUGS

PATENT OVERFLOW

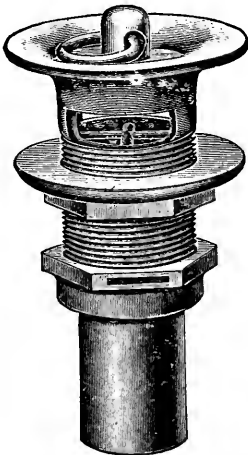


FIG. A-137.

WITH METAL STOPPERS			
Size .....	Inches	1	
Nickel-plated .....	Per dozen	9.50	

WITH RUBBER STOPPERS			
Size .....	Inches	1	1¼
Nickel-plated .....	Per dozen	6.00	10.50

BATH OR SINK PLUGS

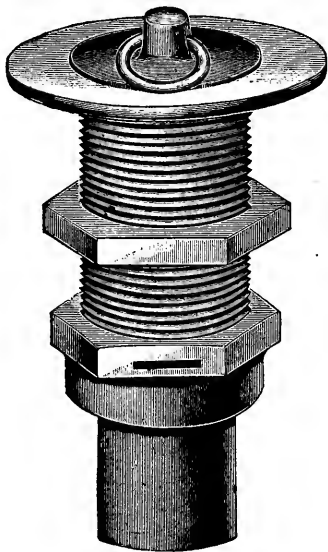


FIG. A-138.

Size ----- Inches	1	1¼	1½	2
Finished... Per dozen	15.00	16.00	26.00	40.00
Nickel-plated. Per doz	17.00	19.00	29.00	44.00

BATH OR SINK PLUGS

FOR IRON PIPE

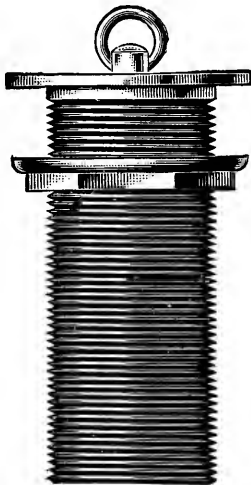


FIG. A-139.

Size ---- - Inches	1	1¼	1½	2
Finished... Per dozen	15.00	18.00	24.00	32.00
Nickel-plated. Per doz	16.00	20.00	26.00	34.00

OVERFLOW PLUGS

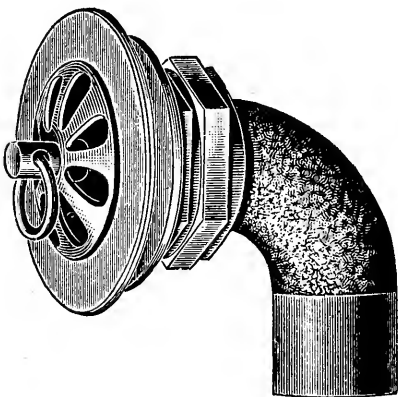


FIG. A-140.

Finished-----	Per dozen, 24.00
Nickel-plated -----	Per dozen, 27.00

WASH TRAY PLUGS

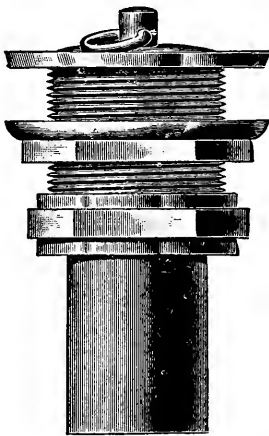


FIG. A-141.

Size --- - Inches	1	1¼	1½	2
Finished... Per dozen	8.00	9.00	13.50	20.00
Nickel-plated. Per doz	9.00	10.50	15.00	22.00

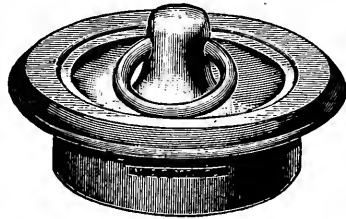
**BATH OR SINK PLUGS**

FIG. A-142.

**BATH OR SINK PLUGS  
WITH METAL STOPPERS**

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4
Finished .....	Per dozen	2.00	2.50	3.00	4.00	7.00	15.00	18.00	36.00
Nickel-plated .....	Per dozen	2.50	3.00	3.50	4.50	8.00	17.00	21.00	40.00

**BATH OR SINK PLUGS  
WITH RUBBER STOPPERS**

Size .....	Inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Finished .....	Per dozen	2.00	2.25	3.50	5.00
Nickel-plated .....	Per dozen	2.50	2.75	4.00	6.00

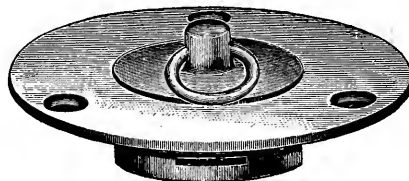
**WASH TRAY PLUGS**

FIG. A-143.

**WASH TRAY PLUGS  
WITH METAL STOPPERS**

Size .....	Inches	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4
Finished .....	Per dozen	6.00	7.00	10.00	17.00	22.00	44.00
Nickel-plated .....	Per dozen	7.50	8.75	13.00	20.00	25.00	50.00

**WASH TRAY PLUGS  
WITH RUBBER STOPPERS**

Size .....	Inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2		
Finished .....	Per dozen	2.50	3.25	4.00	6.00		
Nickel-plated .....	Per dozen	3.50	4.25	5.00	7.50		

**BRASS STRAINERS  
CONVEX**

FANCY

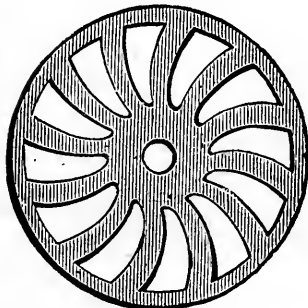


FIG. A-144.

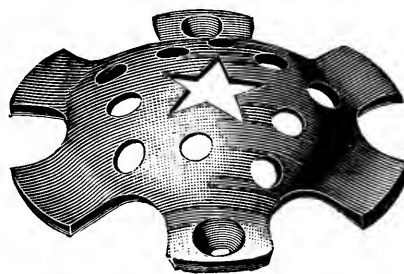


FIG. A-145.

PLAIN

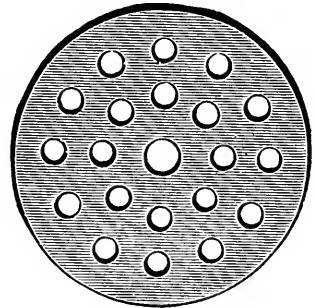


FIG. A-146.

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5	6
Fancy .....	Per dozen	.60	.85	1.20	1.45	1.80	2.40	3.00	4.80	9.00	12.00
Convex .....	Per dozen	.95	1.40	1.80	2.40	3.00	3.60	4.20	6.00	12.00	15.00
Plain .....	Per dozen	.60	.85	1.20	1.45	1.80	2.40	3.00	4.80	9.00	12.00

NICKEL-PLATED CHAIN STAYS

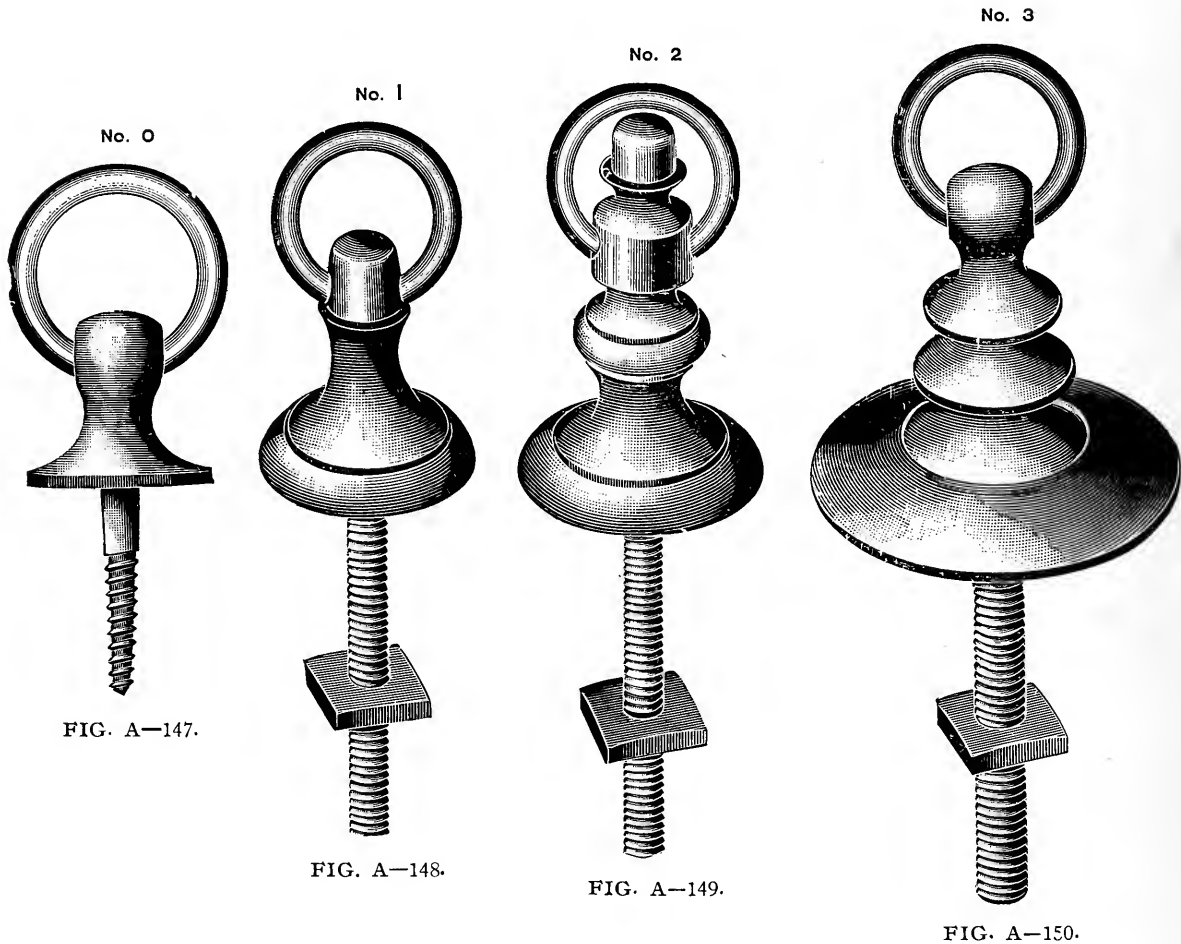
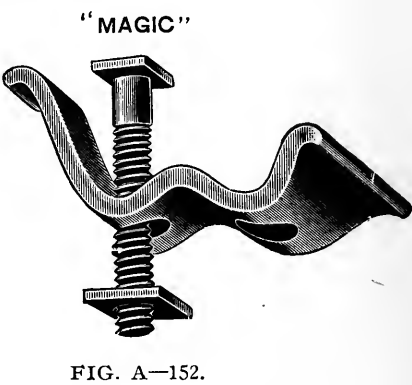
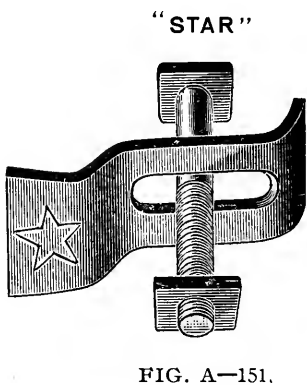


Fig. A-147	Per dozen, 2.00
Fig. A-148	Per dozen, 2.50
Fig. A-149	Per dozen, 3.00
Fig. A-150	Per dozen, 4.00
Fig. A-150, with Square under Base to fit Cock Hole	Per dozen, 4.50

BASIN CLAMPS



Price -----Per dozen, 1.00

Price -----Per dozen, 2.50



FIG. A-153.

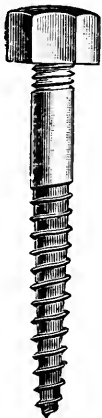


FIG. A-154.

CLOSET SCREWS

WITH REMOVABLE NICKEL-PLATED BRASS HEADS

Iron Screw, Nickel-plated Brass Head (Medium).....	Per dozen, 1.00
Iron Screw, Nickel-plated Brass Head (Large).....	Per dozen, 1.10
Brass Screw, Nickel-plated Brass Head (Medium)---	Per dozen, 1.20
Brass Screw, Nickel-plated Brass Head (Large)....	Per dozen, 1.30

NOTE—Closet Screws are 2¼ inches long under head.

SLAB SCREWS  
WITH WASHER



FIG. A-155.

SLAB AND CLOSET WASHERS



FIG. A-156.



FIG. A-157.

Size -----Inches	1¼	1½	2
Nickel-plated-Per doz	.70	.80	.90

Round, ¾-inch diameter, N.-P.---	Per dozen, .20
Round, 1-inch diameter, N.-P.---	Per dozen, .30
Oval, 1¼-inch long, N.-P.-----	Per dozen, .40
Oval, 1¾-inch long, N.-P.-----	Per dozen, .50

COCK HOLE COVERS

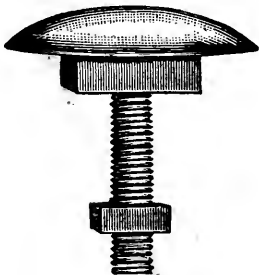


FIG. A-158.

Bath Tub size, Nickel-plated-----Each, .60

Basin size, Nickel-plated-----Each, .40

FOR SUPPLY PIPE



FIG. A-159.

ADJUSTABLE PIPE HOLDERS

Nickel-plated for ¾ Supply Pipe.....	Each, .50
Nickel-plated for 1¼ Flush Pipe.....	Each, .70
Nickel-plated for 1¾ Flush Pipe.....	Each, .70
Nickel-plated for 1½ Flush Pipe.....	Each, .70

FOR FLUSH PIPE



FIG. A-160.

NICKEL-PLATED BRASS PIPE STRAPS

PLAIN

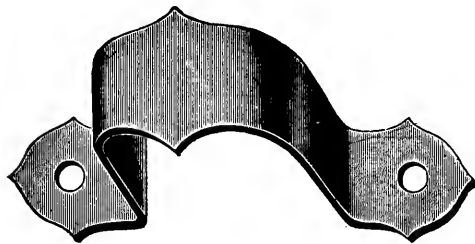


FIG. A-161.

WITH BUMPER

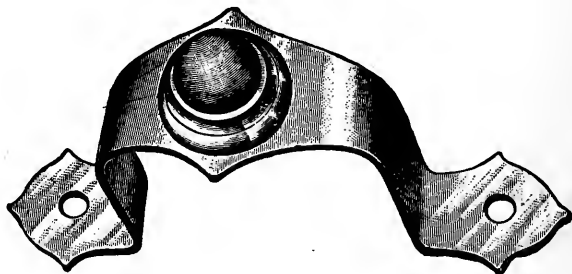


FIG. A-162.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
Plain, Iron Pipe size .....	Per dozen	1.20	1.30	1.40	1.60	1.80	2.00	2.20
With Bumper, Tubing size .....	Per dozen				2.00	2.30	2.40	2.60

SPUN BRASS FLANGES

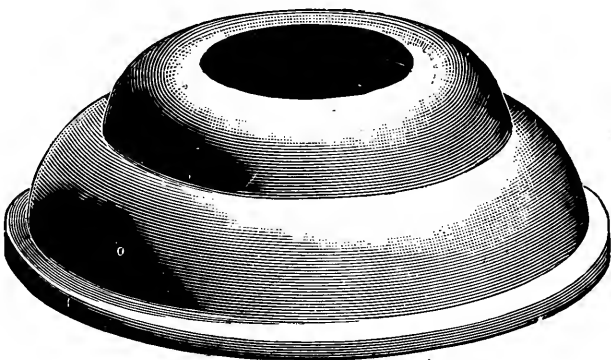


FIG. A-163.

For Iron Pipe size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$					
For Brass Tubing size ..	Inches				$\frac{5}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$
Nickel-plated .....	Each	.10	.10	.12	.10	.10	.10	.12	.15

BRASS CLOSET FLANGE

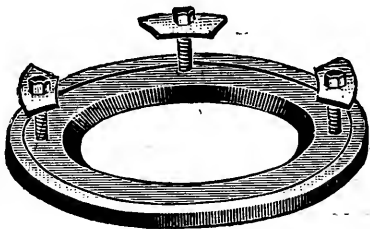


FIG. A-164.

SLIP JOINT ELBOWS

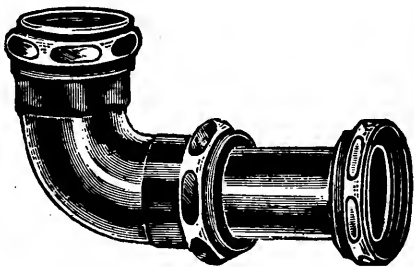


FIG. A-165.

Size .....	Inches	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
Nickel-plated ..	Each	1.50	1.75	2.00

Complete with Bolts and Washers--Each, 1.20

BASIN, BATH AND WASH-TRAY CHAINS

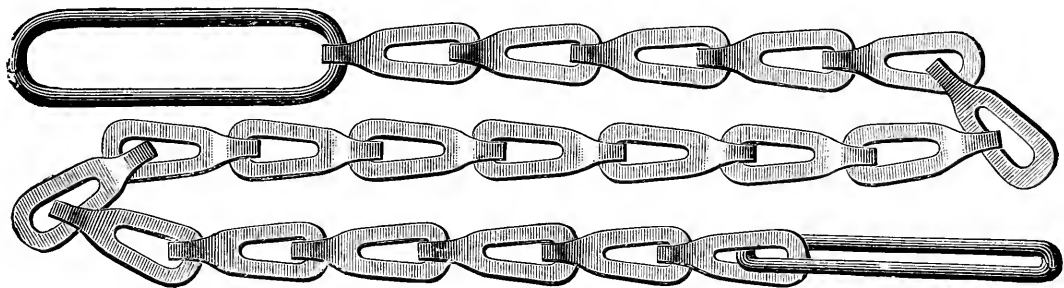


FIG. A-166.

BASIN CHAINS WITH SNAPS

No. 00.	Nickel-plated, 16-inches long	Per dozen, 1.10
No. 0.	Nickel-plated, 16-inches long	Per dozen, 1.20

BATH CHAINS WITH SNAPS

No. 0.	Nickel-plated, 26-inches long	Per dozen, 1.50
No. 1.	Nickel-plated, 26-inches long	Per dozen, 1.75

WASH-TRAY CHAINS WITH SNAPS

No. 0.	Nickel-plated, 20-inches long	Per dozen, 1.25
No. 1.	Nickel-plated, 20-inches long	Per dozen, 1.40

PLUMBERS CHAIN



FIG. A-167.

(Put up in packages of 12 yards each.)

No. 00.	Nickel-plated	Per package, 1.35
No. 0.	Nickel-plated	Per package, 1.60
No. 1.	Nickel-plated	Per package, 1.95
No. 2.	Nickel-plated	Per package, 2.40

EIGHT HOOKS

SPLIT LINKS

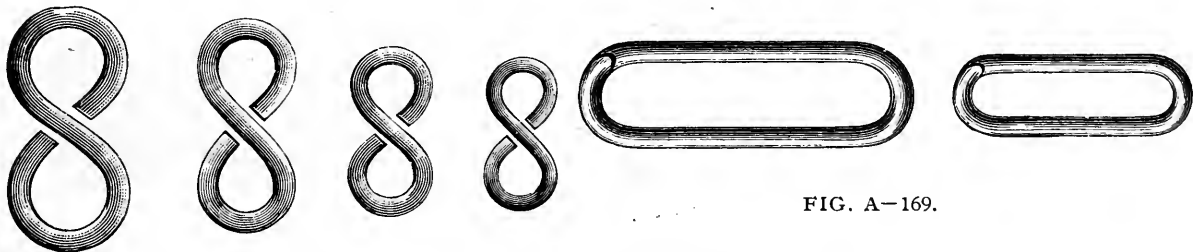


FIG. A-169.

FIG. A-168.

Nickel-plated ----- Per dozen, .50

Small, Nickel-plated	Per dozen, .40
Large, Nickel-plated	Per dozen, .50

CLOSET PULLS



FIG. A-170.

Enameled, Ivory Finish .....	Each, .25
Enameled, Jet Finish .....	Each, .20
Hardwood, Oil Finish. ....	Each, .30
Porcelain .....	Each, .70

CLOSET PULLS

WITH NICKEL-PLATED STATIONERY GUIDE

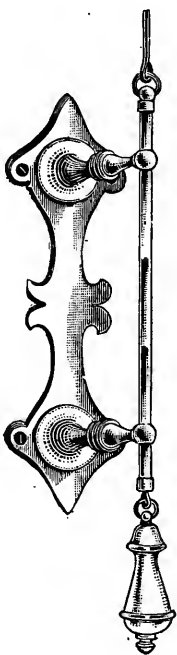


FIG. A-171.

Nickel-plated Guide only .....	Each, 2.75
With Enameled Pull .....	Each, 3.00
With Hardwood Pull .....	Each, 3.10
With Porcelain Pull .....	Each, 3.50

SHOWER RINGS

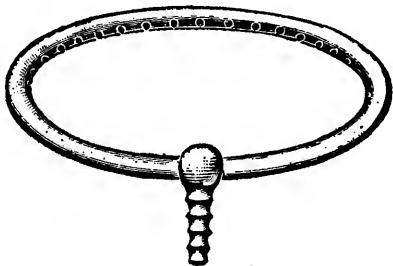


FIG. A-172.

Nickel-plated .....	Each, 3.50
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BATH SPRINKLERS



FIG. A-173.

Nickel-plated .....	Per dozen, 3.50
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HEAD REST FOR BATH TUB

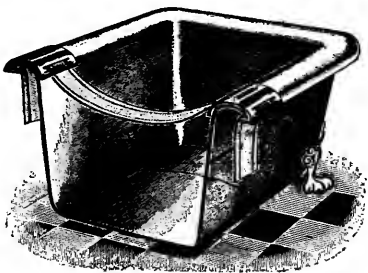


FIG. A-174.

Nickel-plated .....	Each, 3.00
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## SOAP TRAYS FOR RIM OF BATH TUB

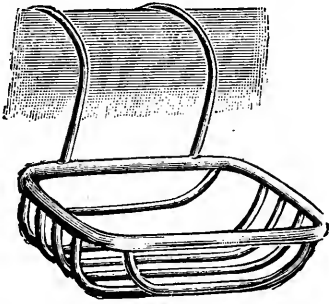


FIG. A-175.

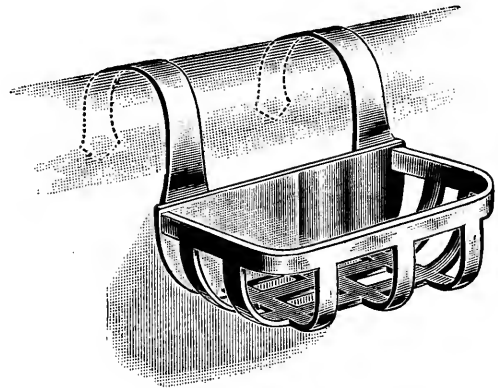


FIG. A-176.

Nickel-plated ..... Each, 1.50

Nickel-plated ..... Each, 2.80

## SOAP TRAYS FOR RIM OF BATH TUB

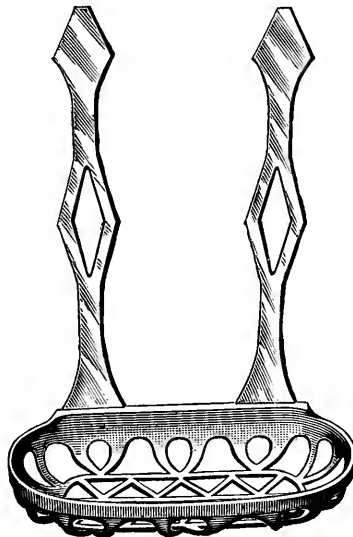


FIG. A-177.

Nickel-plated ..... Each, 2.60

## SOAP CUPS FOR WALL

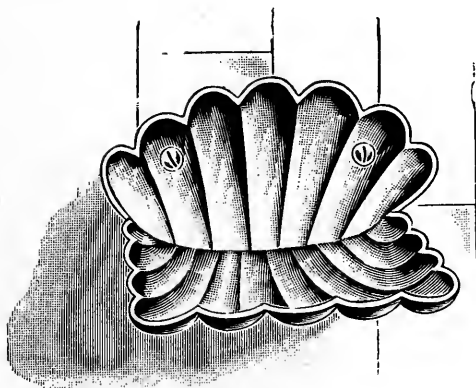


FIG. A-178.

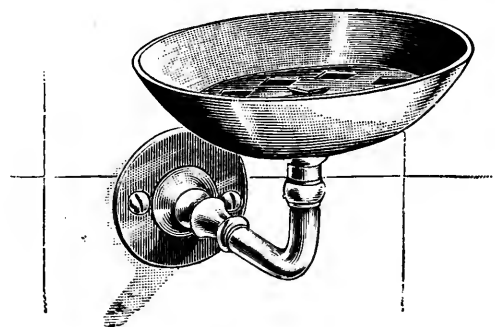


FIG. A-179.

Nickel-plated ..... Each, 1.50

Nickel-plated ..... Each, 2.25

TUMBLER HOLDERS

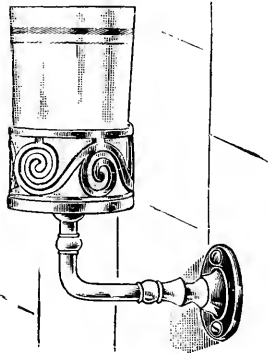


FIG. A-180.

Nickel-plated ----- Each, 2.40

TOOTH BRUSH HOLDERS

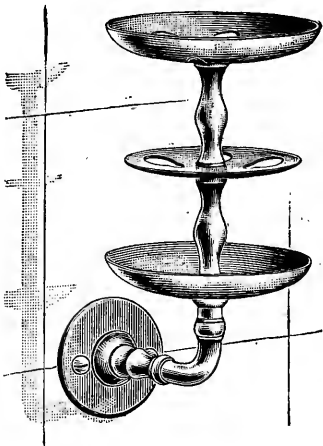


FIG. A-181.

Nickel-plated ----- Each, 2.80

COMB AND BRUSH HOLDER

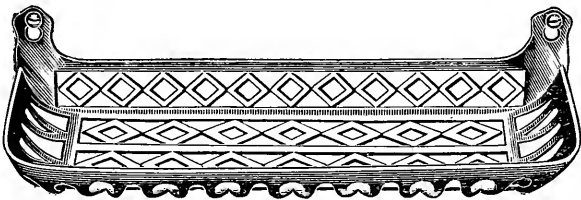


FIG. A-182.

Nickel-plated ----- Each, 3.00

SPONGE HOLDER

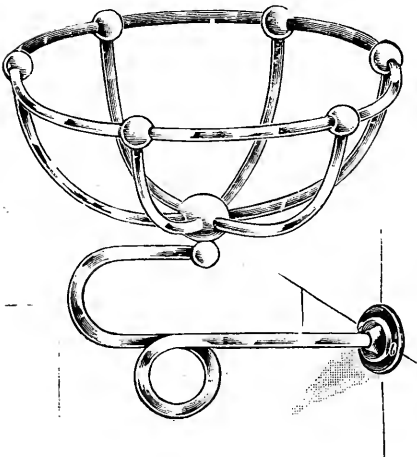


FIG. A-183.

Nickel-plated ----- Each, 2.90

WHISK BROOM HOLDER

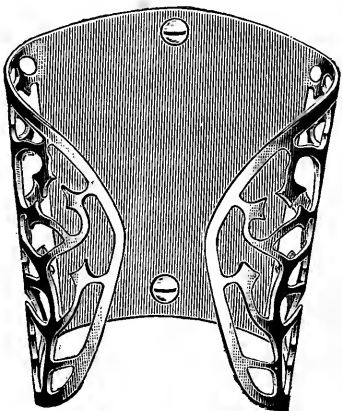


FIG. A-184.

Nickel-plated ----- Each, 1.40

ROBE HOOKS

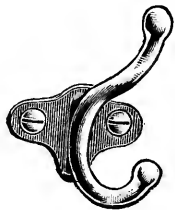


FIG. A-185.

Nickel-plated.....Each, .40

ROBE HOOKS

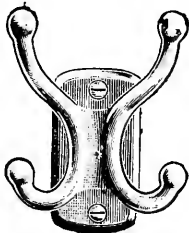


FIG. A-186.

Nickel-plated.....Each, .75

ROBE HOOKS

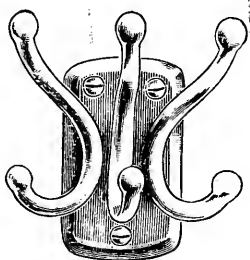


FIG. A-187.

Nickel-plated.....Each, 1.10

COAT AND HAT HOOKS

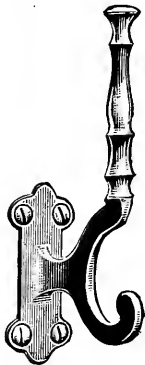


FIG. A-188.

Nickel-plated.....Each, .75

TOILET PAPER HOLDERS

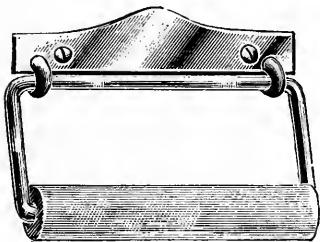


FIG. A-189.

Nickel-plated.....Each, .60

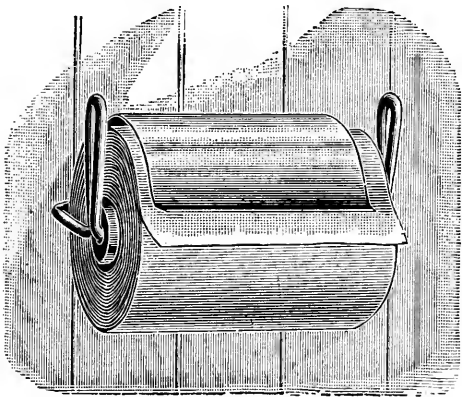


FIG. A-190.

Nickel-plated.....Each, .80

TOWEL RACKS

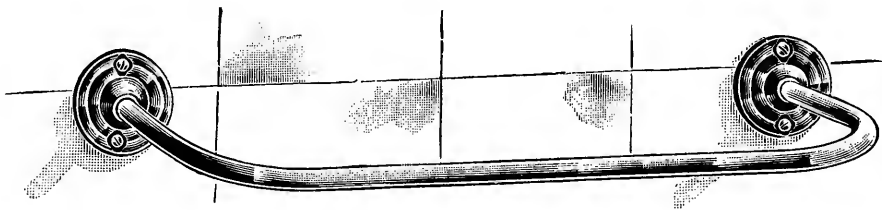


FIG. A-191.

Diameter of Bar, 1/2 inch. Width from Wall, 2 1/2 inches.

Nickel-plated, 15 inches long	Each, 1.10
Nickel-plated, 18 inches long	Each, 1.25
Nickel-plated, 21 inches long	Each, 1.45
Nickel-plated, 24 inches long	Each, 1.60
Nickel-plated, 30 inches long	Each, 1.80

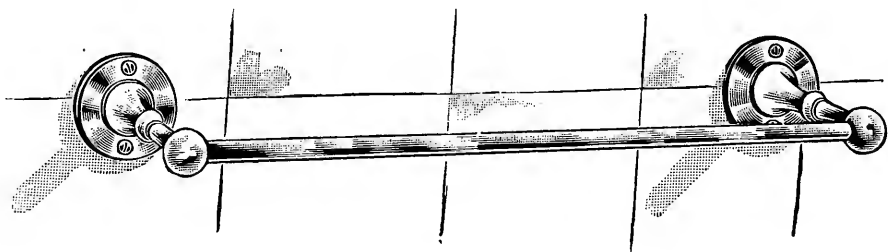


FIG. A-192.

Diameter of Bar, 1/2 inch. Width from Wall, 3 inches.

Nickel-plated, 15 inches long	Each, 1.80
Nickel-plated, 18 inches long	Each, 2.00
Nickel-plated, 21 inches long	Each, 2.15
Nickel-plated, 24 inches long	Each, 2.30
Nickel-plated, 30 inches long	Each, 2.50

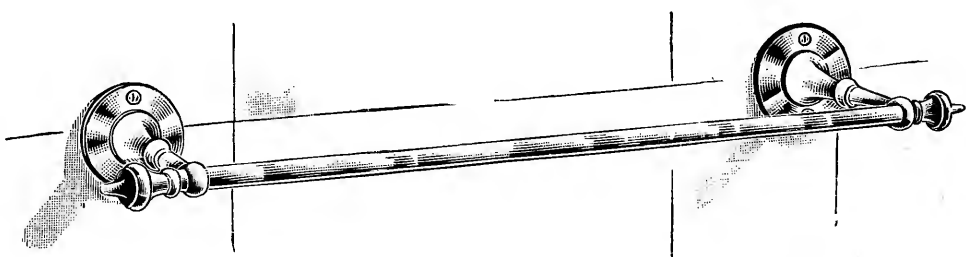


FIG. A-193.

Diameter of Bar, 1/2 inch. Width from Wall, 3 inches.

Nickel-plated, 21 inches long	Each, 2.50
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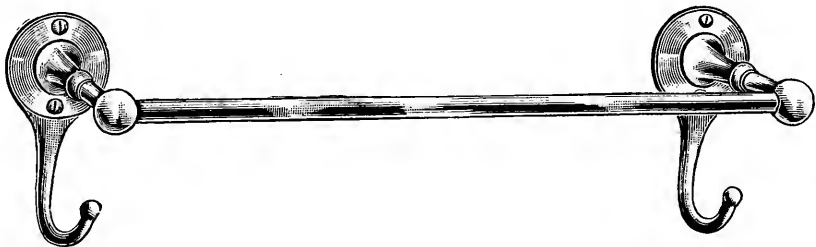


FIG. A-194.

Diameter of Bar, 1/2 inch. Width from Wall, 3 inches.

Nickel-plated, 21 inches long	Each, 3.25
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## FOLDING TOWEL RACKS

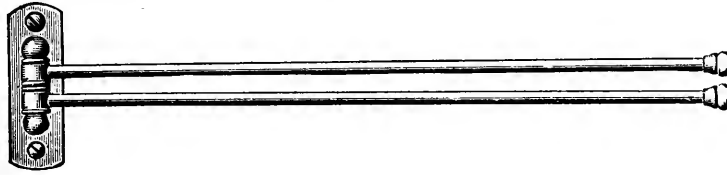


FIG. A-195.

Diameter of Bars,  $\frac{1}{4}$  inch. Length of Bars, 12 inches.

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Nickel-plated, with two Folding Bars ..... Each, 1.20

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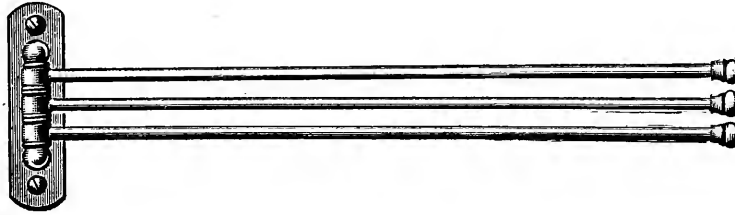


FIG. A-196.

Diameter of Bars,  $\frac{1}{4}$  inch. Length of Bars, 12 inches.

---



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Nickel-plated, with three Folding Bars ..... Each, 1.50

---



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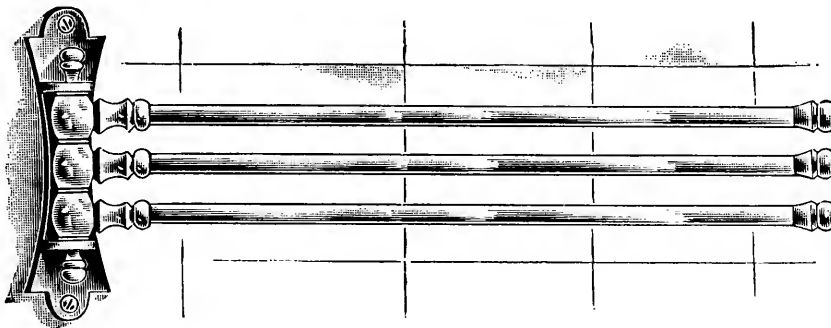


FIG. A-197.

Diameter of Bars,  $\frac{5}{16}$  inch. Length of Bars, 14 inches.

---



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Nickel-plated, with three Folding Bars ..... Each, 2.90

---



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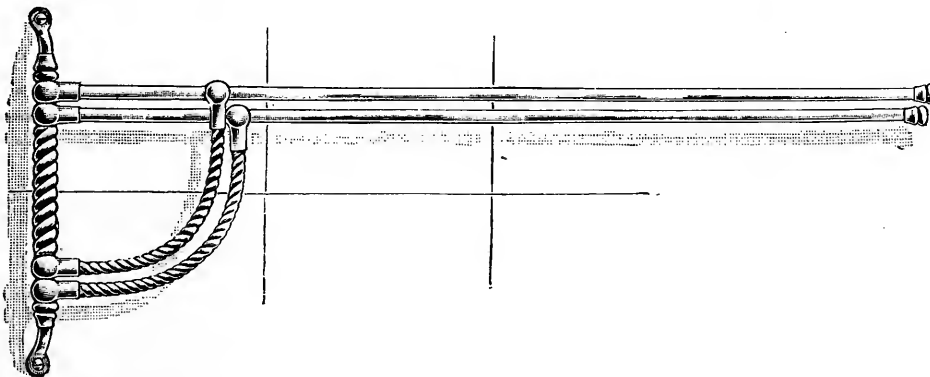


FIG. A-198.

Diameter of Bars,  $\frac{5}{16}$  inch. Length of Bars, 18 inches.

---



---

Nickel-plated, with two Folding Bars ..... Each, 2.50

---



---

RUBBER STOPPERS



FIG. A-199.

Size ----- Inches	1	1 1/8	1 1/4	1 3/8	1 1/2
Price--Per dozen	1.00	1.10	1.20	1.40	1.60

"GOOD" STOPPERS

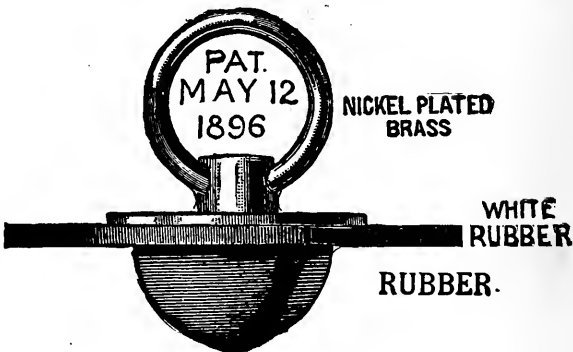


FIG. A-200.

Price, Basin size -----	Per dozen, 4.20
Price, Bath Tub size -----	Per dozen, 6.00

"ROBB" CLOSET CONNECTIONS

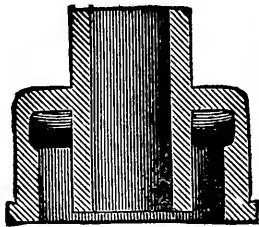


FIG. A-201.

Size ----- Inches	1 1/4	1 1/2
Price-----Per dozen	2.00	2.00

"CANFIELD" CLOSET CONNECTIONS

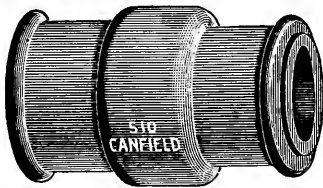


FIG. A-202.

Size ----- Inches	1 1/4	1 1/2
Price -- - Per dozen	3.00	3.00

"OHLIGER" BASIN CONNECTIONS

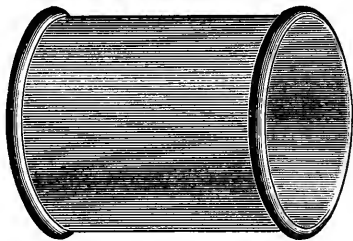


FIG. A-203.

Size ----- Inches	1 1/4	1 1/2
Price - - - - Per dozen	2.00	2.00

BASIN GASKETS

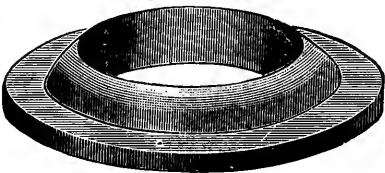


FIG. A-204.

Price -----	Per dozen, .50
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SINK GASKETS

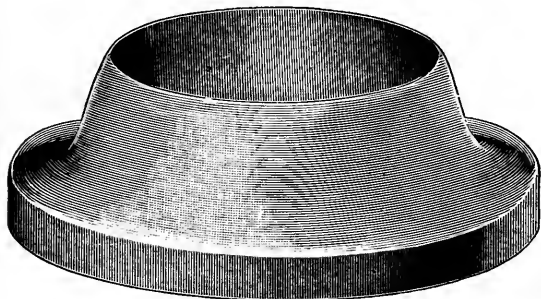


FIG. A-205.

Price .....	Per dozen, 1.00
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FLOOR GASKETS

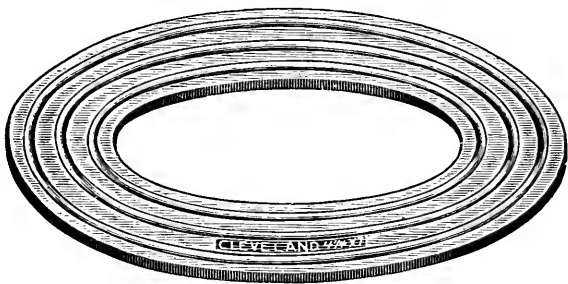


FIG. A-206.

Size .....	Inches	4x6x1/8	4 1/4 x 7 x 1/8
Price .....	Per dozen	.15	.20

SYPHON VALVE WASHERS

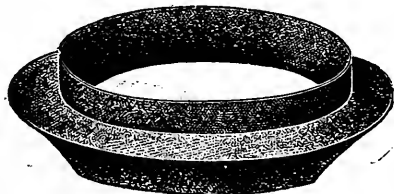


FIG. A-207.

Size .....	Inches	1 1/4	1 1/2
Price .....	Per dozen	.90	1.00

BASIN AND BATH  
WASTE WASHERS

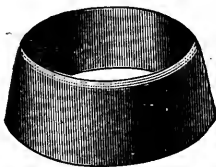


FIG. A-208.

Size .....	Inches	1	1 1/4	1 1/2
Price .....	Per dozen	.35	.45	.50

TACK BUMPERS



FIG. A-209.

Size .....	Inches	3/8	1/2	5/8
Price .....	Per dozen	.10	.15	.20

SCREW BUMPERS



FIG. A-210.

Size .....	Inches	3/4	7/8	1
Price .....	Per dozen	.40	.50	.60

RUBBER TUBING

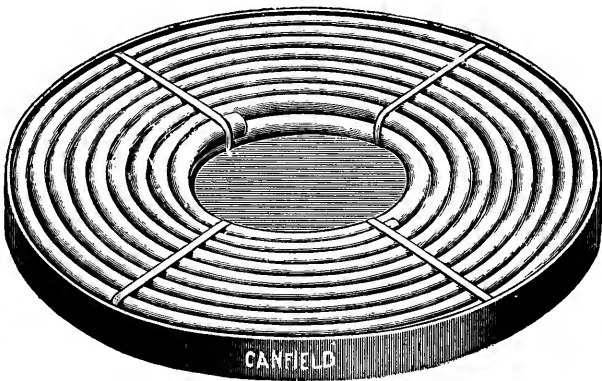


FIG. A-211.

Size .....	Inches	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Pure Rubber .....	Per Foot	.08	.12	.16	.18	.20	.25	.30	.35
Cloth Insertion .....	Per Foot	.10	.14	.18	.20	.23	.28	.33	.38

SLIP JOINT WASHERS

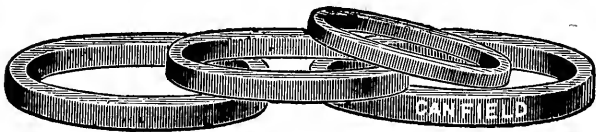


FIG. A-212.

All sizes ..... Per dozen, .60

BIBB WASHERS



FIG. A-213.

All sizes .... Per dozen, .20

GAUGE GLASS WASHERS  
AND  
HOSE GASKETS

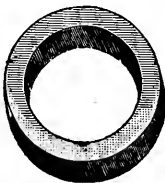


FIG. A-214.

GAUGE GLASS WASHERS

Size .....	Inches	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Square .....	Per dozen	.40	.40	.40
Round .....	Per dozen	.60	.60	.60

HOSE GASKETS

Size .....	Inches	$\frac{3}{4}$	1
Price .....	Per dozen	.20	.30



## RICKETT'S WATER CLOSET CONNECTIONS

FOR  $\frac{1}{4}$  SUPPLY



FIG. A-215.

Full length, from Face to Back --- 4 inches  
Price ----- Per dozen, 10.00

FOR  $\frac{1}{4}$  SUPPLY

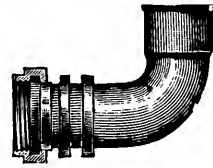


FIG. A-216.

Full length, from Face to Back --- 5 inches  
Price ----- Per dozen, 11.00

FOR  $\frac{1}{4}$  INCH SUPPLY

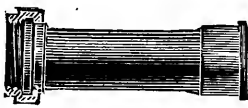


FIG. A-217.

Price ----- Per dozen, 7.00

TO SLIP OVER  $\frac{1}{2}$  INCH LEAD OR IRON PIPE



FIG. A-218.

With  $1\frac{1}{2}$ -inch Nut ----- Per dozen, 9.00  
With 2-inch Nut ----- Per dozen, 11.00

FOR 2-INCH VENT, TO SLIP OVER  $\frac{1}{2}$  INCH  
LEAD PIPE

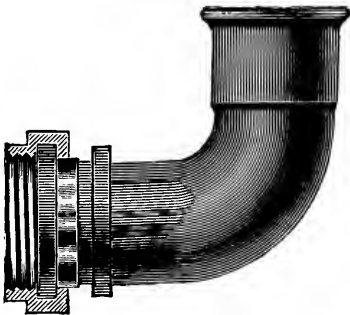


FIG. A-219.

Price ----- Per dozen, 15.00

FOR  $\frac{1}{4}$  INCH SUPPLY

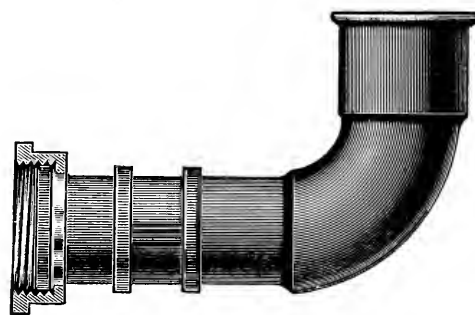


FIG. A-220.

Price ----- Per dozen, 7.00

FOR 2-INCH VENT

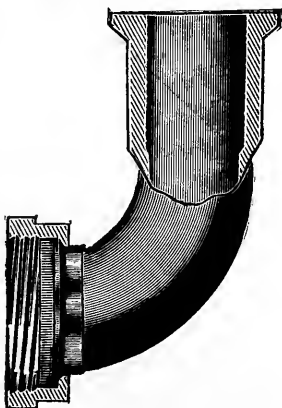


FIG. A-221.

Price ----- Per dozen, 14.00

FOR  $\frac{1}{4}$  INCH SUPPLY

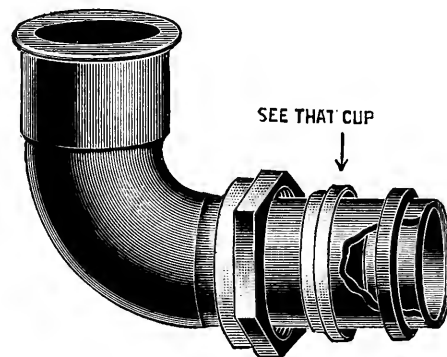


FIG. A-222.

Price ----- Per dozen, 7.00

LEAD PIPE

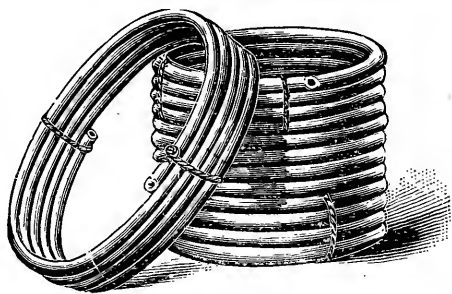


FIG. A—223.

INSIDE DIAMETER INCHES		WEIGHT PER FOOT		INSIDE DIAMETER INCHES		WEIGHT PER FOOT	
		POUNDS	OUNCES			POUNDS	OUNCES
1/8	Tubing -----		3 1/2		Aqueduct -----	1	8
1/4	Light -----		6	1	Extra Light -----	2	
	Strong -----		8		Light -----	2	8
	Extra Strong -----		12		Medium -----	3	4
3/8	Aqueduct -----		8	1 1/4	Strong -----	4	
	Extra Light -----		9		Extra Strong -----	4	12
	Light -----		12		Extra Extra Strong -----	5	8
	Medium -----	1			Aqueduct -----	2	
	Strong -----	1	8		Extra Light -----	2	8
1/2	Extra Strong -----	2		1 1/2	Light -----	3	
	Extra Extra Strong -----	2	8		Medium -----	3	12
	Aqueduct -----		10		Strong -----	4	12
	Extra Light -----		12		Extra Strong -----	6	
	Light -----	1			Extra Extra Strong -----	6	12
	Medium -----	1	4	2	Aqueduct -----	3	
5/8	Strong -----	1	12		Extra Light -----	3	8
	A A -----	2			Light -----	4	
	Extra Strong -----	2	8		Medium -----	5	
	Extra Extra Strong -----	3			Strong -----	6	
	Aqueduct -----		12		Extra Strong -----	7	8
	Extra Light -----	1	4		Extra Extra Strong -----	9	
3/4	Light -----	1	12	2 1/2	Waste -----	3	
	Medium -----	2			Extra Light -----	4	
	Strong -----	2	8		Light -----	5	
	Extra Strong -----	3		3	Medium -----	7	
	Extra Extra Strong -----	3	8		Strong -----	8	
	Aqueduct -----	1			Extra Strong -----	9	
1	Extra Light -----	1	8		Extra Extra Strong -----	10	8
	Light -----	2		3 1/2	Waste -----	4	
	Medium -----	2	4		Waste -----	3	8
	Strong -----	3			Waste -----	5	
	Extra Strong -----	3	8		Waste -----	5	
	Extra Extra Strong -----	4			Waste -----	6	
					Waste -----	8	
					Waste -----	10	

Market prices.

PURE BLOCK TIN PIPE

CALIBER	WEIGHT PER FOOT		CALIBER	WEIGHT PER FOOT	
	POUNDS	OUNCES		POUNDS	OUNCES
1/8 inch Strong -----		2 1/2	1/2 inch Double Extra Strong -----		15
1/4 inch Extra Strong -----		5	5/8 inch Extra Strong -----		9
1/4 inch Double Extra Strong -----		6	3/8 inch Double Extra Strong -----		14
1 5/16 inch Double Extra Strong -----		6 1/2	3/4 inch Extra Strong -----		11
3/8 inch Extra Strong -----		6	3/4 inch Double Extra Strong -----		16
3/8 inch Double Extra Strong -----		8	1 inch Extra Strong -----		14
1/2 inch Strong -----		6 1/2	1 inch Double Extra Strong -----		20
1/2 inch Extra Strong -----		10			

Market prices.

SHEET LEAD

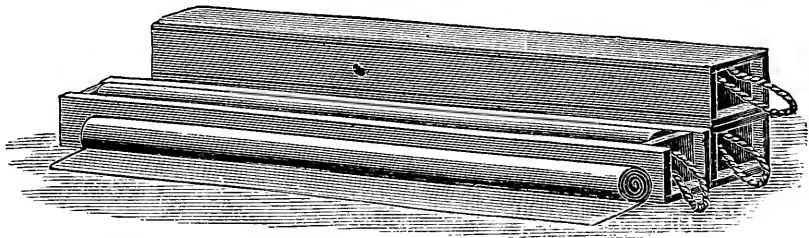


FIG. A-224.

DIMENSIONS AND WEIGHTS OF SHEET LEAD

Thickness, Inches	Weight, per Square Foot.	Thickness, Inches	Weight, per Square Foot.
1-32	2 pounds	1-10	6 pounds
1-24	2½ pounds	1-9	7 pounds
1-20	3 pounds	1-8	8 pounds
1-18	3½ pounds	1-7	9 pounds
1-16	4 pounds	1-6	10 pounds
1-14	4½ pounds	3-16	11 pounds
1-12	5 pounds	1-5	12 pounds

PIG LEAD

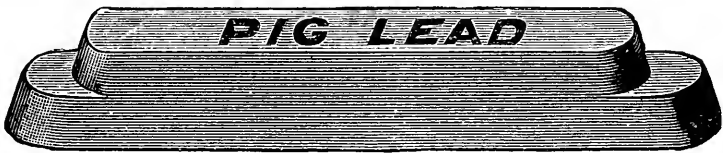


FIG. A-225.

In Pigs (about 80 pounds).....	Market Prices
In Blocks (about 5 pounds).....	Market Prices

BLOCK TIN

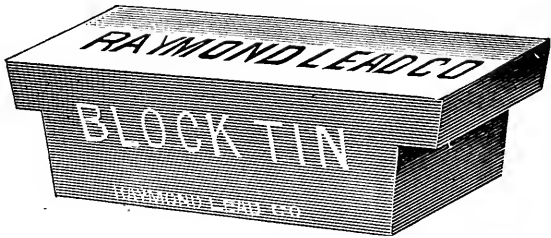


FIG. A-226.

In Pigs (about 100 pounds).....	Market Prices
In Bars (about 1½ pounds).....	Market Prices

SOLDER



FIG. A-227.

50-50 (Half and Half).....	Market Prices
40-60 (Refined Metal) .....	Market Prices

COMBINATION SOLDERING NIPPLE

(LEAD AND BRASS)



FIG. A—228.

Length -----Inches	4	6	8	10	12	14	16	18	20	24
1¼-inch -----Each	.30	.35	.38	.42	.45	.50	.55	.60	.65	.75
1½-inch -----Each	.36	.40	.45	.50	.55	.60	.65	.70	.75	.85
2-inch -----Each	.50	.55	.60	.65	.70	.75	.83	.88	.93	1.05
3-inch -----Each		1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.90
4-inch -----Each	1.20	1.30	1.40	1.50	1.65	1.80	1.90	2.05	2.20	2.45
4-inch, extra heavy Each	1.25	1.40	1.50	1.60	1.75	1.90	2.05	2.20	2.40	2.70

COMBINATION FERRULE

(LEAD AND IRON)

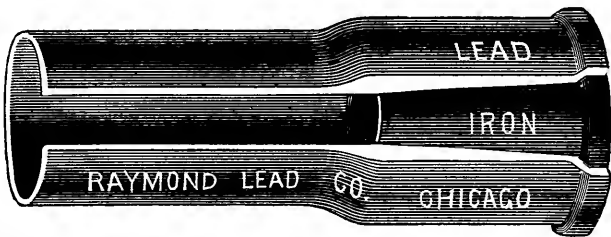


FIG. A—229.

Length-----Each	4	5	6	8	10	12	14	16	18	20	24
1¼-inch, for 2-inch C. I. P----- Each		.38	.43	.49	.56	.61	.65	.70	.75	.80	.90
2-inch, for 2-inch C. I. P----- Each	.22	.32	.37	.43	.50	.55	.60	.65	.70	.75	.85
3-inch, for 3-inch C. I. P----- Each	.32	.45	.50	.60	.70	.80	.90	1.00	1.05	1.10	1.25
4-inch, for 4-inch C. I. P----- Each	.38	.50	.60	.72	.83	.95	1.00	1.10	1.20	1.30	1.50

LEAD BENDS

SHORT



FIG. A-230.

LONG

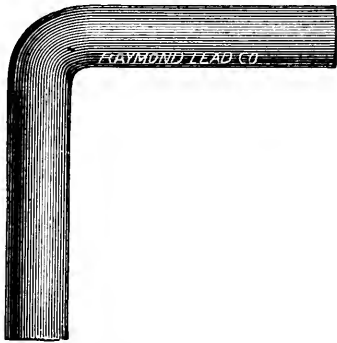


FIG. A-231.

SHORT LEAD BENDS

		STANDARD WEIGHT				
Size-----	Inches	1¼	1½	2	3	4
Price-----	Each	.22	.30	.45	.75	1.10

LONG LEAD BENDS

		STANDARD WEIGHT				
Size-----	Inches	1¼	1½	2	3	4
Price-----	Each	.28	.35	.60	.95	1.40

EXTENSION BENDS

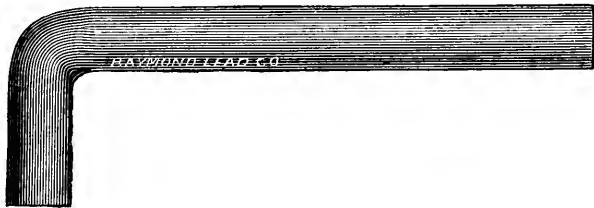


FIG. A-232.

SHORT INLET EXTENSION BENDS

		STANDARD WEIGHT				
Size-----	Inches	1¼	1½	2	3	4
12-inch Outlet Ends-----	Each	.40	.45	.70	1.05	1.40
15-inch Outlet Ends-----	Each	.45	.55	.80	1.25	1.65
18-inch Outlet Ends-----	Each	.50	.60	.90	1.45	1.90
20-inch Outlet Ends-----	Each	.55	.65	1.00	1.55	2.05
For lengths not listed, add for each excess inch		.03	.04	.06	.08½	.11

LONG INLET EXTENSION BENDS

		STANDARD WEIGHT				
Size-----	Inches	1¼	1½	2	3	4
12-inch Outlet Ends-----	Each	.45	.55	.85	1.30	1.75
15-inch Outlet Ends-----	Each	.50	.65	.95	1.50	2.00
18-inch Outlet Ends-----	Each	.55	.70	1.10	1.70	2.25
20-inch Outlet Ends-----	Each	.60	.75	1.20	1.80	2.40
For lengths not listed, add for each excess inch		.03	.04	.06	.08½	.11

## LEAD TRAPS

RUNNING TRAP

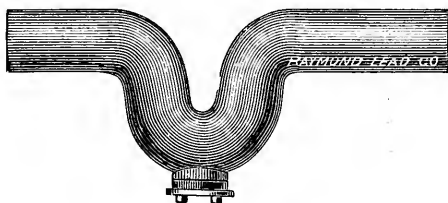


FIG. A-233.

RUNNING "Y" TRAP

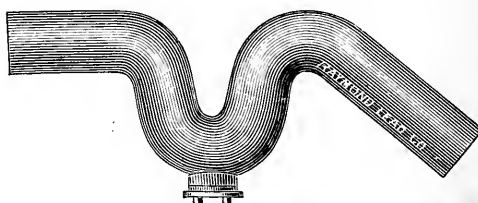


FIG. A-234.

FULL "S" TRAP

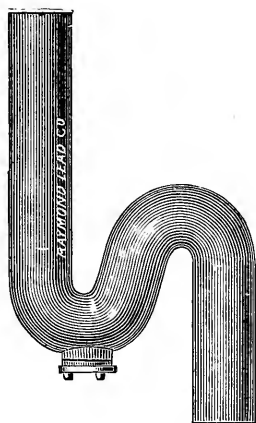


FIG. A-235.

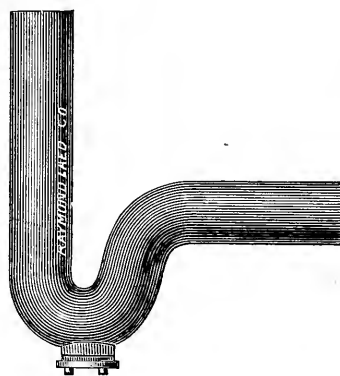
 $\frac{1}{2}$  "S" OR "P" TRAP

FIG. A-236.

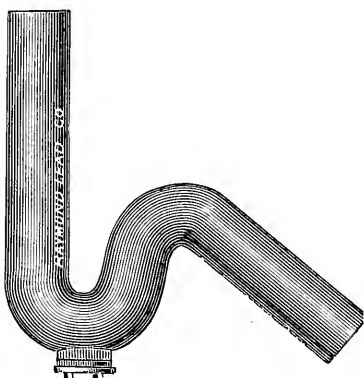
 $\frac{3}{4}$  "S" TRAP

FIG. A-237.

BAG TRAP

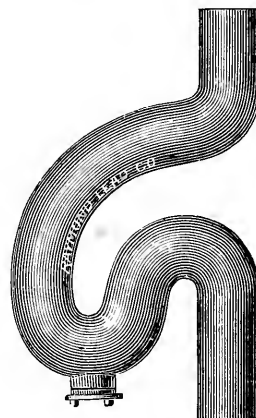


FIG. A-238.

Size ----- Inches	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	3	4
Running Trap, Standard Weight ----- Each	.40	.50	.80	1.40	1.70
Running "Y" Trap, Standard Weight ----- Each	.45	.55	.95	1.70	2.15
Full "S" Trap, Standard Weight ----- Each	.50	.60	1.05	1.85	2.40
$\frac{1}{2}$ "S" or "P" Trap, Standard Weight ----- Each	.45	.55	.95	1.60	1.85
$\frac{3}{4}$ "S" Trap, Standard Weight ----- Each	.50	.60	1.05	1.85	2.40
Bag Trap, Standard Weight ----- Each	.60	.80	1.35	2.15	3.45

VENTED LEAD TRAPS

RUNNING TRAP

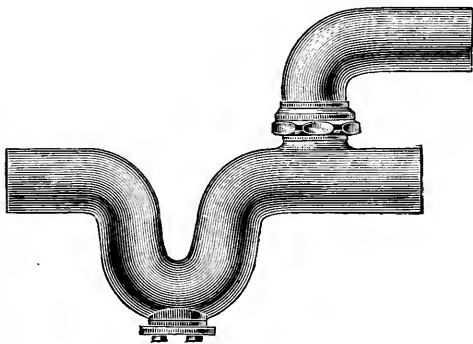


FIG. A-239.

FULL "S" TRAP

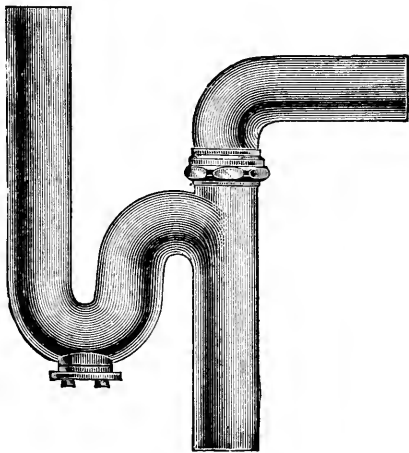


FIG. A-240.

1/2 "S" OR "P" TRAP

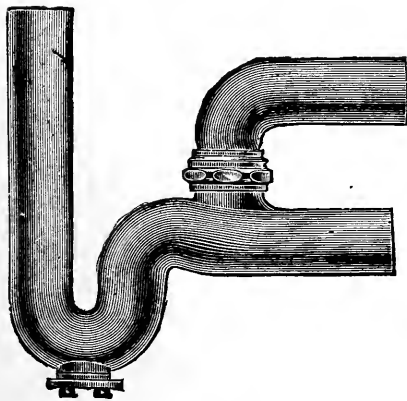


FIG. A-241.

3/4 "S" TRAP

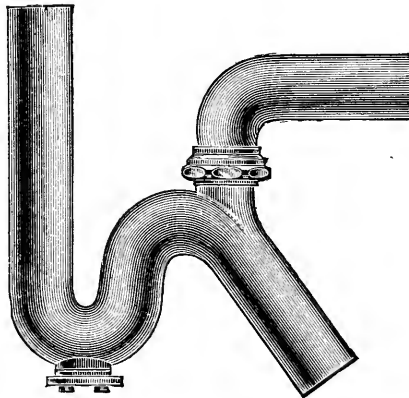


FIG. A-242.

VENTED LEAD TRAPS, STANDARD WEIGHT

Size Trap . . . . .	Inches	1 1/4	1 1/2	2	2
Size Vent . . . . .	Inches	1 1/4	1 1/2	1 1/2	2
Running Trap . . . . .	Each	.95	1.20	1.50	1.80
Full "S" Trap . . . . .	Each	1.05	1.30	1.75	2.05
1/2 "S" or "P" Trap . . . . .	Each	1.00	1.25	1.65	1.95
3/4 "S" Trap . . . . .	Each	1.05	1.30	1.75	2.05

LONG OUTLET "S" TRAP

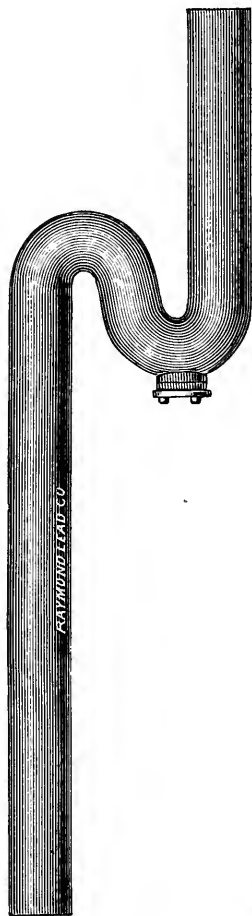


FIG. A-243.

LONG OUTLET 1/2 "S" OR "P" TRAP

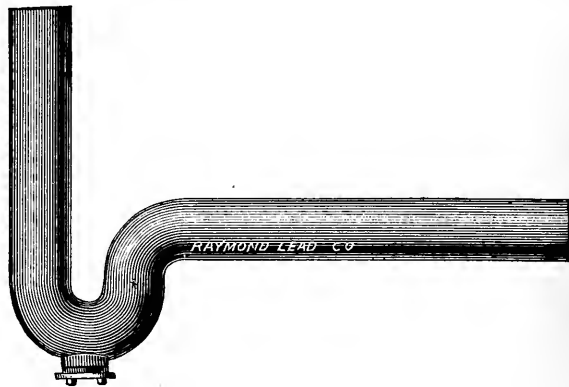


FIG. A-244.

EXTRA LONG LEAD TRAPS, STANDARD WEIGHT

Size .....	Inches	1 1/4	1 1/2	2
Long Outlet "S" Traps .....	Each	.90	1.05	1.65
Long Inlet "S" Traps .....	Each	.90	1.05	1.65
Long Outlet 1/2 "S" or "P" Traps .....	Each	.70	.80	1.25
Long Inlet 1/2 "S" or "P" Traps .....	Each	.75	.85	1.35
For Traps longer than regular Extra Long Traps, add for each inch in excess .....		.03	.04	.06

DRUM TRAPS

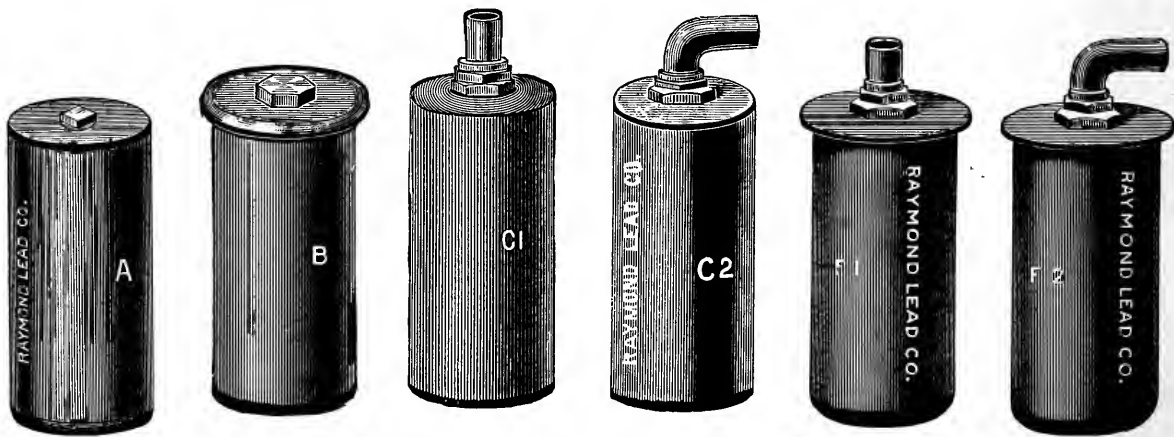


FIG. A-245.

FIG. A-246.

FIG. A-247.

FIG. A-248.

FIG. A-249.

FIG. A-250.

	FIG A 245	FIG A 246	FIG A 247	FIG A 248	FIG A 249	FIG A 250
4x8 with Brass Screw ----- Each	1.22	1.42	1.82	2.02	1.92	2.12
6x10 with Brass Screw ----- Each	2.80	3.00	3.40	3.60	3.50	3.70
4x8 with Nickel-plated Screw ----- Each	1.52	1.77	2.27	2.57	2.37	2.67
6x10 with Nickel-plated Screw ----- Each	3.10	3.35	3.85	4.15	3.95	4.25



FULL "S" TRAP

WITH LONG OUTLET AND LONG VENT

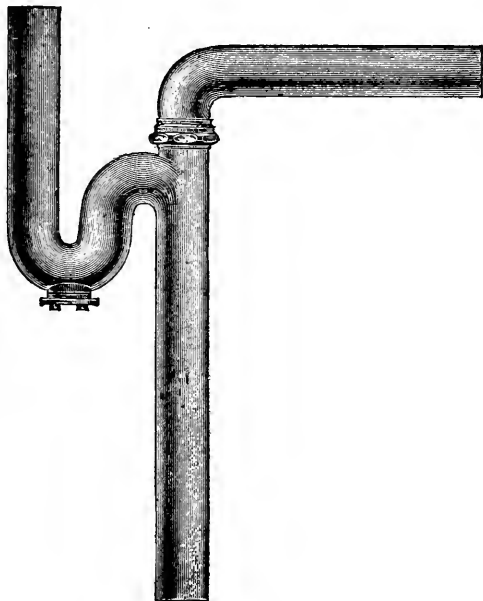


FIG. A-251.

HALF "S" OR "P" TRAP

WITH LONG OUTLET AND LONG VENT

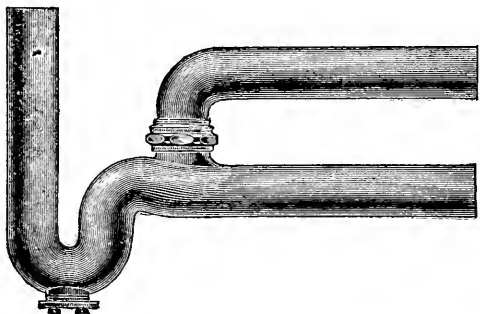


FIG. A-252.

LEAD TRAPS

WITH LONG OUTLETS AND LONG VENTS

STANDARD WEIGHT

Size Trap.....Inches	1¼	1½	2	2
Size Vent.....Inches	1¼	1½	1½	2
Full "S" Trap.....Each	1.70	2.05	2.65	3.10
½ "S" or "P" Trap.....Each	1.50	1.80	2.25	2.70

CUDELL LEAD TRAPS

FULL "S"

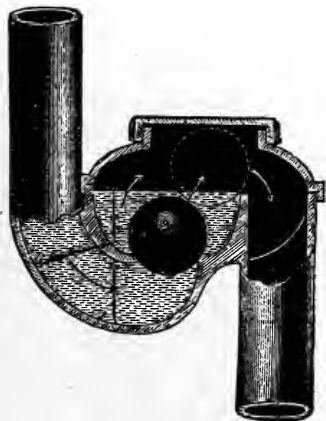


FIG. A-253.

RUNNING BATH

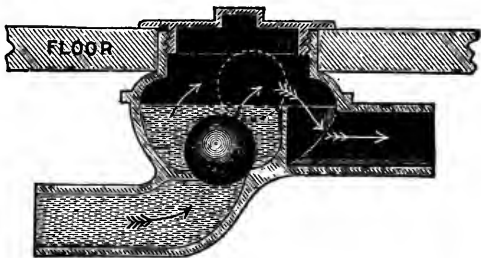


FIG. A-254.

"S". ½"S" ¾"S" RUNNING AND BATH TRAPS

INLET	OUTLET		NO VENT	VENTED
1 inch	1¼ inch	Price.....Each	1.00	1.20
1¼ inch	1¼ inch	Price.....Each	1.00	1.20
1¼ inch	1½ inch	Price.....Each	1.25	1.50
1½ inch	1½ inch	Price.....Each	1.25	1.50
1½ inch	2 inch	Price.....Each	1.35	1.60

BOWER TRAPS

FULL "S"

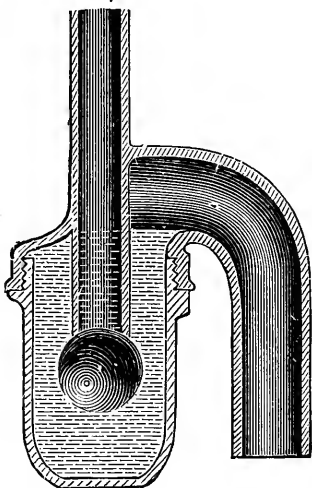


FIG. A-255.

1/2 "S" OR "P"

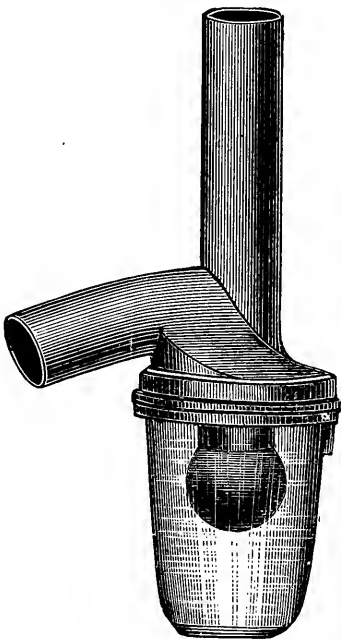


FIG. A-256.

Size Inlet.....	Inches	1	1¼	1½	1¾	2
Size Outlet.....	Inches	1¼	1½	1¾	2	2½
Full "S" with Lead Cup.....	Each	1.65	1.70	1.75	2.15	2.25
Full "S" with Glass Cup.....	Each	1.45	1.50	1.55	1.90	2.00
Full "S" with Brass Cup.....	Each	1.85	1.90	1.95	2.40	2.50
½ "S" or "P" with Lead Cup.....	Each	1.60	1.65	1.70	2.05	2.15
½ "S" or "P" with Glass Cup.....	Each	1.40	1.45	1.50	1.80	1.90
½ "S" or "P" with Brass Cup.....	Each	1.80	1.85	1.90	2.30	2.40
Running with Lead Cup.....	Each		1.70		2.15	
Running with Glass Cup.....	Each		1.55		1.90	
Running with Brass Cup.....	Each		1.90		2.40	
REPAIRS	Lead Cups only.....	Each	.40		.50	
	Glass Cups only.....	Each	.15		.25	
	Brass Cups only.....	Each	.50		.65	
	Rubber Washers only.....	Each	.03		.06	
	Rubber Balls only.....	Each	.15		.20	

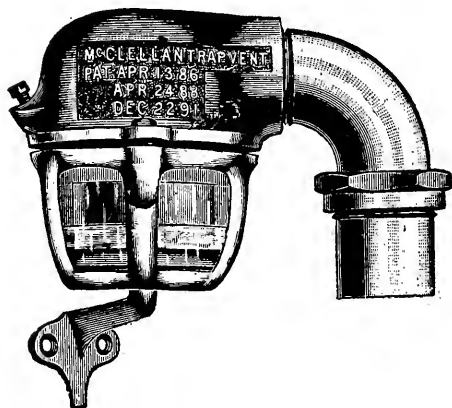


FIG. A-257.

McCLELLAN ANTI-SYPHON TRAP VENTS

Size.....	Inches	1½	2
Plain Iron.....	Each	2.70	4.10
Polished Brass.....	Each	4.50	6.75
Nickel-plated.....	Each	5.50	8.25

Prices include Mercury for Seal.

“CLEAN SWEEP” TRAPS

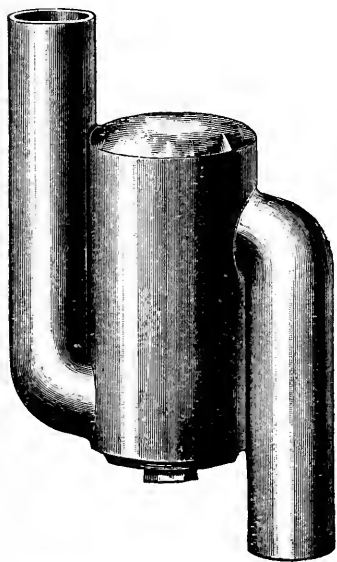


FIG. A-258.

“CLEAN SWEEP” FULL “S” TRAPS

Price, 1¼-inch	Each, .80
Price, 1½-inch	Each, .95
Price, 2-inch	Each, 1.50

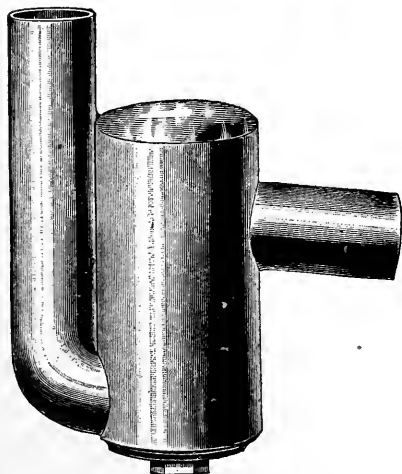


FIG. A-259.

“CLEAN SWEEP” ½“S” OR “P” TRAPS

Price, 1¼-inch	Each, .75
Price, 1½-inch	Each, .90
Price, 2-inch	Each, 1.30



FIG. A-260.

CLEAN SWEEP” FULL “S” TRAPS

VENTED

Price, 1¼-inch	Each, 1.20
Price, 1½-inch	Each, 1.35
Price, 2-inch	Each, 2.00

“CLEAN SWEEP” TRAPS

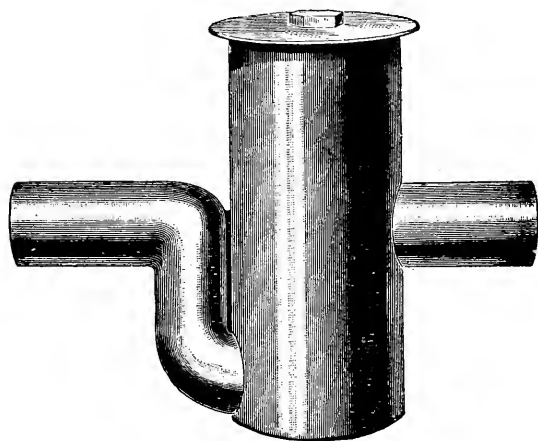


FIG. A-261.

“CLEAN SWEEP” RUNNING TRAPS

LEAD BODY, NICKEL-PLATED TRAP SCREW

Price, 1¼-inch .....	Each, 1.00
Price, 1½-inch .....	Each, 1.30

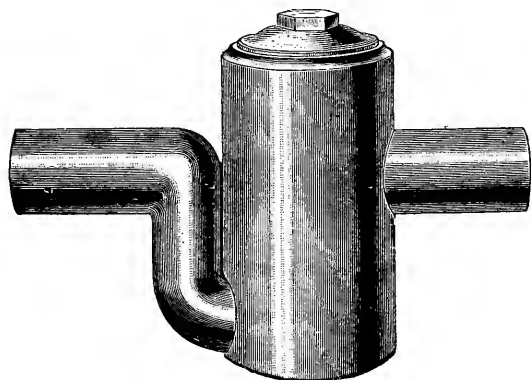


FIG. A-262.

“CLEAN SWEEP” RUNNING TRAPS

LEAD BODY, ROUGH BRASS TRAP SCREW

Price, 1¼-inch .....	Each, .85
Price, 1½-inch .....	Each, 1.05

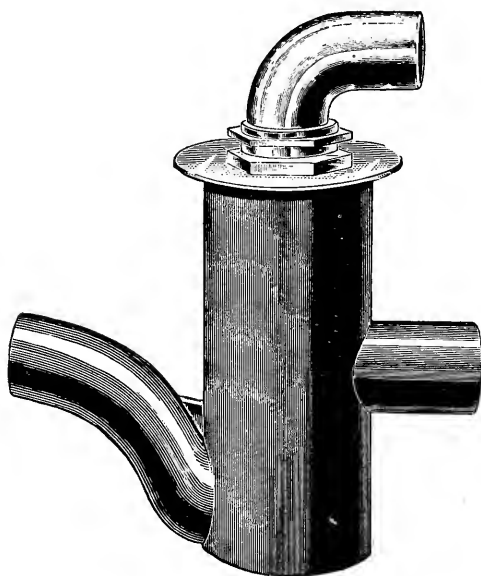


FIG. A-263.

“CLEAN SWEEP” RUNNING TRAPS

LEAD BODY, NICKEL-PLATED TOP AND VENT

Price, 1¼-inch .....	Each, 1.50
Price, 1½-inch .....	Each, 1.80

TRAP SCREWS

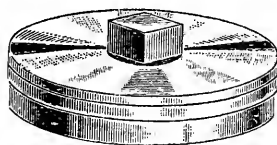


FIG. A-264.

Size.....Inches	1	1¼	1½	2	2½	3	3½	4
Brass.....Per dozen	2.50	3.00	4.00	7.00	10.00	15.00	18.00	20.00
Nickel-plated.....Per dozen			7.50	11.00	15.00	20.00	23.50	26.00

BRASS END FERRULES

STRAIGHT



FIG. A-265.

¾ BEND

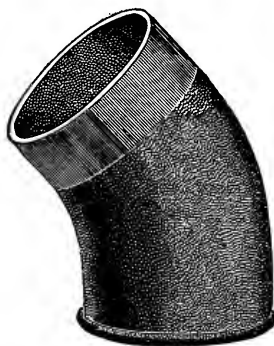


FIG. A-266.

¾ BEND

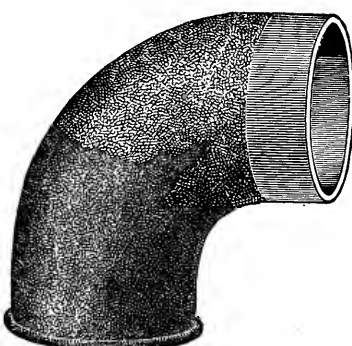


FIG. A-267.

Size.....Inches	2x1½	2	3	4	5	6
Straight or Reducing...Per dozen	5.00	5.00	10.00	15.00	24.00	36.00
Eighth Bend.....Per dozen		12.00		24.00		
Quarter Bend.....Per dozen		15.00		27.00		

END FERRULES

WITH TRAP SCREW



FIG. A-268.

Size.....Inches	2	3	4	5	6
Iron Body with Brass Screw.....Per dozen	3.60	4.80	6.00	9.60	14.40
Brass Body with Brass Screw.....Per dozen	10.00	18.00	24.00	48.00	69.00

CAST IRON SOIL PIPE

SINGLE HUB



FIG. A-269.

INSIDE DIAMETER	LENGTH	PRICE PER FOOT STANDARD	PRICE PER FOOT EXTRA HEAVY
2-Inch	5-Foot	.24	.35
3-Inch	5-Foot	.30	.55
4-Inch	5-Foot	.40	.75
5-Inch	5-Foot	.50	1.00
6-Inch	5-Foot	.60	1.20
8-Inch	5-Foot	1.25	2.25
10-Inch	5-Foot	2.00	3.00
12-Inch	5-Foot	3.00	4.00

CAST IRON SOIL PIPE

DOUBLE HUB

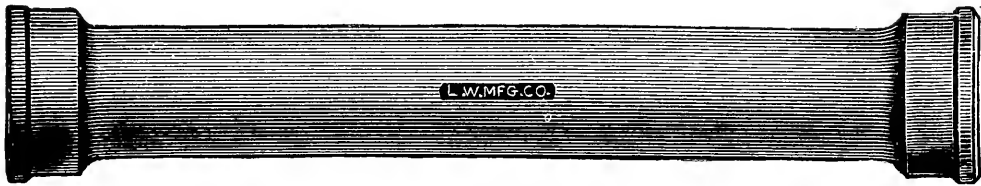


FIG. A-270.

INSIDE DIAMETER	LENGTH	PRICE PER FOOT STANDARD	PRICE PER FOOT EXTRA HEAVY
2-Inch	5-Foot	.30	.41
3-Inch	5-Foot	.36	.61
4-Inch	5-Foot	.46	.81
5-Inch	5-Foot	.56	1.06
6-Inch	5-Foot	.66	1.26
8-Inch	5-Foot	1.45	2.55
10-Inch	5-Foot	2.40	3.60

¼ BEND

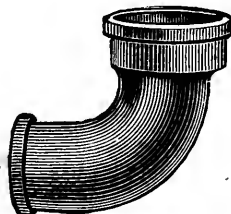


FIG. A-271.

⅓ BEND

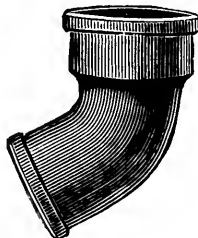


FIG. A-272.

½ BEND

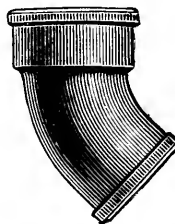


FIG. A-273.

⅝ BEND

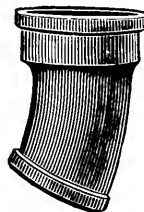


FIG. A-274.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2-Inch	.40	.50
3-Inch	.55	.70
4-Inch	.75	1.10
5-Inch	1.00	1.35
6-Inch	1.20	1.75
8-Inch	3.00	4.00
10-Inch	4.00	5.00

LONG ¼ BEND

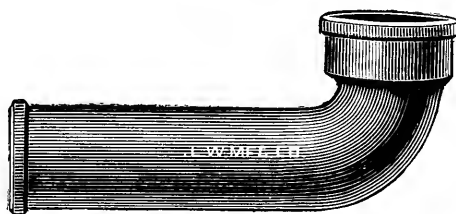


FIG. A-275.

SIZE	LENGTH IN CLEAR	PRICE EACH	PRICE EACH
		STANDARD	EXTRA HEAVY
2-Inch	18-Inch	1.10	1.40
3-Inch	18-Inch	1.25	2.00
4-Inch	18-Inch	1.50	2.25
4-Inch	24-Inch	2.00	3.00

¼ BEND, DOUBLE HUB

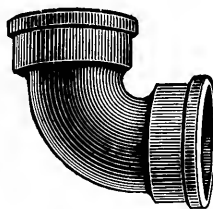


FIG. A-276.

⅓ BEND, DOUBLE HUB



FIG. A-277.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2-Inch	.70	.80
3-Inch	.85	1.00
4-Inch	.95	1.40
5-Inch	1.30	1.65
6-Inch	1.50	2.05

QUARTER BEND

WITH SIDE INLET

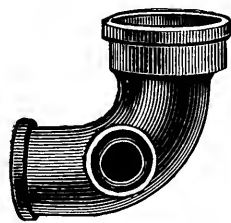


FIG. A-278.

QUARTER BEND

WITH HEEL INLET

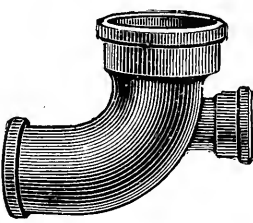


FIG. A-279.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2-Inch, with 2-Inch Side or Heel Inlet-----	.90	1.00
3-Inch, with 2-Inch Side or Heel Inlet-----	1.05	1.20
4-Inch, with 2-Inch Side or Heel Inlet-----	1.25	1.60
4-inch, with 3-Inch Side or Heel Inlet--	1.35	1.70

NOTE—Quarter Bends can be furnished with either Right or Left Side Inlet, but unless otherwise ordered, will always be sent with Inlet on Right Side, as shown in cut.

“T” BRANCH

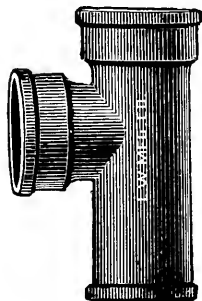


FIG. A-280.

SANITARY “T” BRANCH

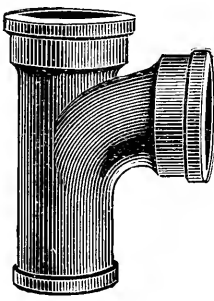


FIG. A-281.

“Y” BRANCH

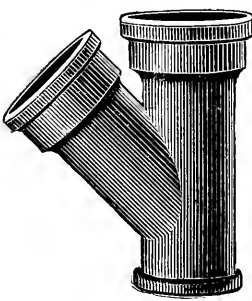


FIG. A-282.

½ “Y” BRANCH

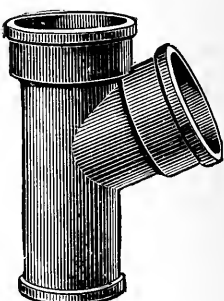


FIG. A-283.

SIZE, INCHES	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2 x 2	.60	.80
3 x 3	.80	1.25
3 x 2	.80	1.25
4 x 4	1.20	1.60
4 x 3	1.20	1.60
4 x 2	1.20	1.60
5 x 5	1.60	2.25
5 x 4	1.60	2.25
5 x 3	1.60	2.25
5 x 2	1.60	2.25
6 x 6	2.00	3.25
6 x 4	2.00	3.25
6 x 3	2.00	3.25
6 x 2	2.00	3.25



## LONG SANITARY "T"

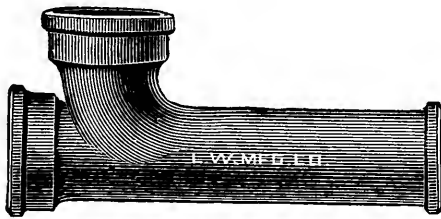


FIG. A-284.

## LONG "Y" BRANCH

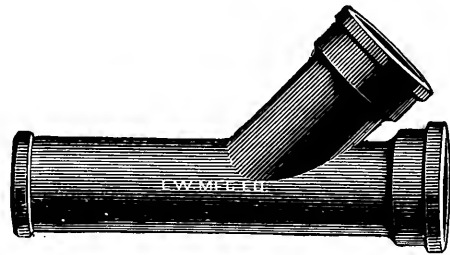


FIG. A-285.

SIZE, INCHES	LENGTH IN CLEAR	PRICE EACH STANDARD	PRICE EACH EXTRA HEAVY
4 x 4	18 Inches	2.25	3.25
4 x 4	24 Inches	2.50	3.50
4 x 4	30 Inches	3.00	4.75
4 x 4	36 Inches	3.50	5.25
5 x 4	24 Inches	3.25	4.50
5 x 4	30 Inches	4.00	5.50
5 x 4	36 Inches	4.75	6.75
6 x 4	24 Inches	4.25	5.50
6 x 4	30 Inches	5.25	7.25
6 x 4	36 Inches	6.25	9.00

## "Y" BRANCH

WITH SIDE INLET

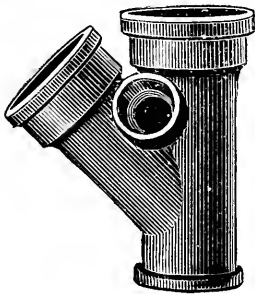


FIG. A-286.

## SANITARY "T"

WITH SIDE INLET

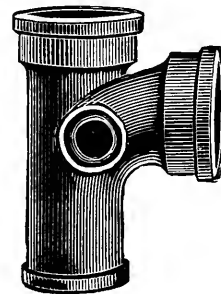


FIG. A-287.

SIZE, INCHES	PRICE EACH STANDARD	PRICE EACH EXTRA HEAVY
4 x 4, with 2-Inch Inlet	1.70	2.10
4 x 3, with 2-Inch Inlet	1.70	2.10
4 x 2, with 2-Inch Inlet	1.70	2.10
5 x 5, with 2-Inch Inlet	2.10	2.75
5 x 4, with 2-Inch Inlet	2.10	2.75
5 x 3, with 2-Inch Inlet	2.10	2.75
6 x 6, with 2-Inch Inlet	2.50	3.75
6 x 5, with 2-Inch Inlet	2.50	3.75
6 x 4, with 2-Inch Inlet	2.50	3.75
6 x 2, with 2-Inch Inlet	2.50	3.75

NOTE—"Y" Branches and "Sanitary 'T's" can be furnished with either Right or Left Side Inlet, but unless otherwise ordered, will always be sent with Inlet on Right Side.

CROSS

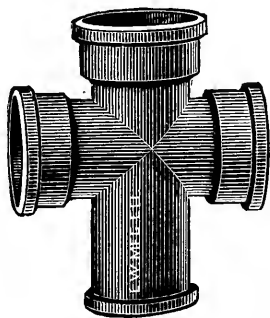


FIG. A-288.

SANITARY CROSS

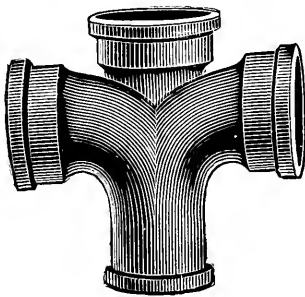


FIG. A-289.

DOUBLE "Y" BRANCH

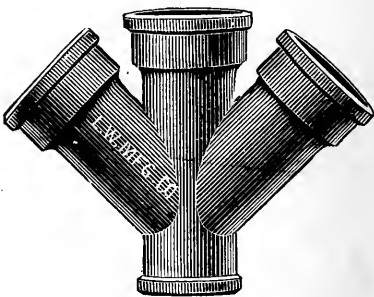


FIG. A-290.

SIZE, INCHES	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2 x 2	1.00	1.25
3 x 3	1.25	1.60
3 x 2	1.25	1.60
4 x 4	1.65	2.00
4 x 3	1.65	2.00
4 x 2	1.65	2.00
5 x 5	2.25	3.00
5 x 4	2.25	3.00
5 x 3	2.25	3.00
5 x 2	2.25	3.00
6 x 4	3.00	4.00
6 x 2	3.00	4.00

SINGLE HUB

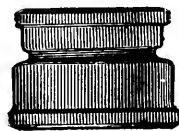


FIG. A-291.

DOUBLE HUB

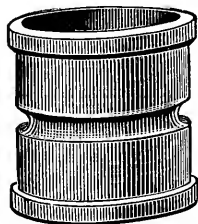


FIG. A-292.

STRAIGHT SLEEVE



FIG. A-293.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2-Inch	.30	.40
3-Inch	.45	.55
4-Inch	.65	.75
5-Inch	.75	.90
6-Inch	.80	1.15
8-Inch	2.50	3.50
10-Inch	3.50	4.50

REDUCER



FIG. A-294.

SIZE, INCHES	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
3 x 2	.45	.55
4 x 3	.65	.75
4 x 2	.65	.75
5 x 4	.75	.90
5 x 3	.75	.90
5 x 2	.75	.90
6 x 5	.80	1.15
6 x 4	.80	1.15
6 x 3	.80	1.15
6 x 2	.80	1.15
8 x 6	2.50	3.50
8 x 4	2.50	3.50

SHORT INCREASER

TAPPED

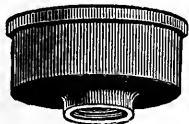


FIG. A-295.

SIZE, INCHES	PRICE EACH
	EXTRA HEAVY
1½ to 2	.85
1½ to 3	1.00
2 to 3	1.00
1½ to 4	1.20
2 to 4	1.20

INCREASER

FOR CALKING



FIG. A-296.

SIZE, INCHES	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2 to 3	.70	1.00
2 to 4	.90	1.25
2 to 5	1.15	1.75
3 to 4	.90	1.25
3 to 5	1.15	1.75
4 to 5	1.15	1.75
4 to 6	1.25	2.25
5 to 6	1.25	2.25
6 to 8	2.00	5.00

INCREASER AND VENTILATING BRANCH

WITH STRAIGHT SIDE OUTLET TAPPED

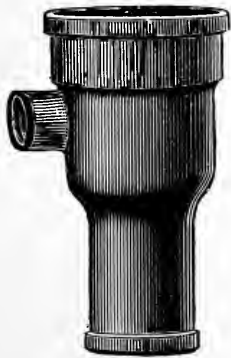


FIG. A-297.

SIZE, INCHES	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2 x 4, tapped for 1½-Inch Pipe	2.15	2.65
2 x 4, tapped for 2 -Inch Pipe	2.25	2.75
4 x 6, tapped for 1½-Inch Pipe	2.75	3.50
4 x 6, tapped for 2 -Inch Pipe	2.90	3.65
4 x 6, tapped for 3 -Inch Pipe	3.50	4.25

SANITARY "T"

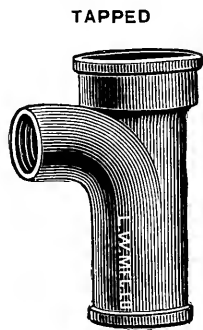


FIG. A—298.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2-Inch, tapped for 1½-Inch Pipe	1.00	1.20
2-Inch, tapped for 2 -Inch Pipe	1.05	1.25
3-Inch, tapped for 1½-Inch Pipe	1.90	2.35
3-Inch, tapped for 2 -Inch Pipe	2.00	2.45
4-Inch, tapped for 1½-Inch Pipe	2.10	2.50
4-Inch, tapped for 2 -Inch Pipe	2.25	2.65
4-Inch, tapped for 2½-Inch Pipe	2.50	2.90
4-Inch, tapped for 3 -Inch Pipe	2.75	3.15

"T" BRANCH



FIG. A—299.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2-Inch, tapped for 1½-Inch Pipe	.80	1.00
2-Inch, tapped for 2 -Inch Pipe	.90	1.10
3-Inch, tapped for 1½-Inch Pipe	1.70	2.15
3-Inch, tapped for 2 -Inch Pipe	1.80	2.25
4-Inch, tapped for 1½-Inch Pipe	1.85	2.25
4-Inch, tapped for 2 -Inch Pipe	1.95	2.35
4-Inch, tapped for 2½-Inch Pipe	2.20	2.75
4-Inch, tapped for 3 -Inch Pipe	2.50	3.00

VENTILATING  
BRANCH

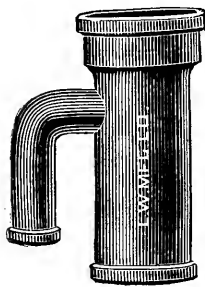


FIG. A—300.

SIZE, INCHES	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2 x 2	.80.	1.25
3 x 2	1.25	1.75
4 x 2	1.50	2.00
4 x 3	1.50	2.00
5 x 2	2.00	2.75
5 x 4	2.00	2.75
6 x 4	3.00	4.00

"T" BRANCH

WITH HAND HOLE FOR  
CLEANING OUT

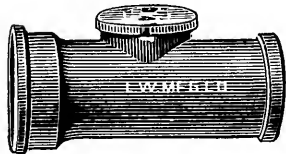


FIG. A—301.

SIZE, INCHES	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2 x 2	.75	1.00
3 x 3	1.00	1.50
4 x 4	1.25	1.75
5 x 5	1.75	2.25
6 x 6	2.25	3.00

LONG INCREASERS

TAPPED



FIG. A—302.

SIZE, INCHES	PRICE EACH
	EXTRA HEAVY
1½ to 4—24 Inches long	2.50
2 to 4—24 Inches long	2.60

LONG INCREASERS

TAPPED ON SIDE



FIG. A—303.

SIZE, INCHES	LENGTH, INCHES	TAPPED PIPE SIZE	PRICE EACH	PRICE EACH
		INCHES	STANDARD	EXTRA HEAVY
2 to 4	24	1½	2.50	3.25
2 to 4	48	1½	3.40	
3 to 4	24	1½	2.60	3.35
4 to 5	30	2	4.00	5.00
4 to 6	48	2	6.00	
5 to 6	30	2	5.00	6.50
5 to 6	36	2	5.50	7.00

OFFSET

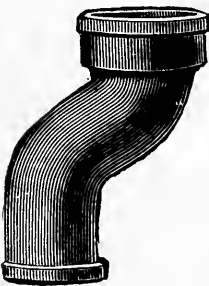


FIG. A—304.

SIZE, INCHES	PRICE EACH		SIZE, INCHES	PRICE EACH	
	STANDARD	EXTRA HEAVY		STANDARD	EXTRA HEAVY
2 x 2	.40	.60	4 x 10	1.25	1.60
2 x 4	.50	.90	4 x 12	1.40	1.80
2 x 6	.60	1.00	4 x 14	1.65	2.00
2 x 8	.70	1.10	4 x 16	1.80	2.25
2 x 10	.80	1.20	4 x 18	2.15	2.80
2 x 12	.85	1.25	4 x 20	2.25	3.00
2 x 14	1.00	1.45	5 x 4	1.40	1.80
2 x 16	1.15	1.60	5 x 6	1.60	2.00
2 x 18	1.25	1.75	5 x 8	1.80	2.25
2 x 20	1.75	2.50	5 x 10	1.90	2.40
3 x 2	.70	1.00	5 x 12	2.00	2.50
3 x 4	.75	1.10	5 x 14	2.20	2.75
3 x 6	.80	1.20	5 x 16	2.40	3.00
3 x 8	.90	1.35	5 x 18	2.75	3.50
3 x 10	.95	1.40	5 x 20	3.00	3.75
3 x 12	1.00	1.45	6 x 4	2.00	3.00
3 x 14	1.25	1.70	6 x 6	2.25	3.25
3 x 16	1.40	1.90	6 x 8	2.40	3.50
3 x 18	1.50	2.00	6 x 10	2.60	3.75
3 x 20	2.00	2.75	6 x 12	2.75	4.00
4 x 2	.80	1.20	6 x 14	3.00	4.50
4 x 4	.85	1.25	6 x 16	3.50	5.25
4 x 6	1.00	1.40	6 x 18	4.10	6.00
4 x 8	1.15	1.50	6 x 20	4.85	7.00

"S" TRAP

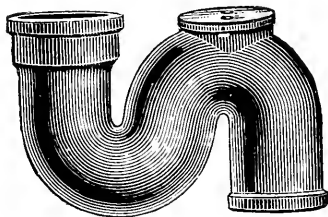


FIG. A-305.

HALF "S" OR "P" TRAP

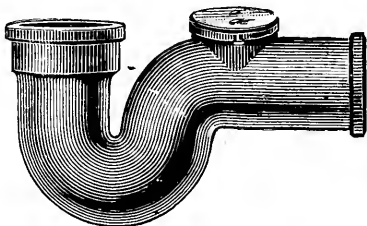


FIG. A-306.

THREE-QUARTER "S" TRAP

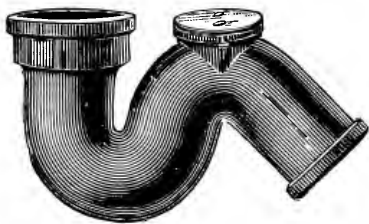


FIG. A-307.

RUNNING TRAP

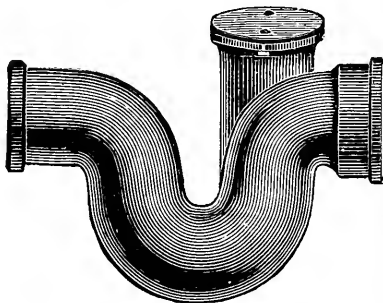


FIG. A-308.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2-Inch	.80	1.25
3-Inch	1.25	2.00
4-Inch	1.75	2.75
5-Inch	3.00	4.00
6-Inch	4.00	5.50

RUNNING TRAP

WITH SINGLE HUB VENT

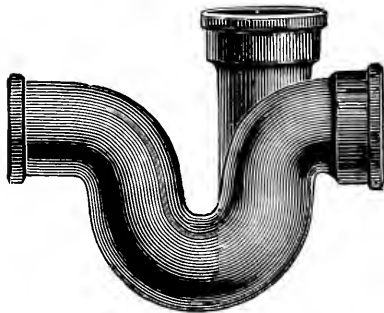


FIG. A-309.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
2-Inch, with 2-Inch Vent	1.30	1.75
4-Inch, with 4-Inch Vent	2.50	3.50
5-Inch, with 4-Inch Vent	3.75	4.75
6-Inch, with 4-Inch Vent	4.75	6.25
8-Inch, with 6-Inch Vent	9.75	12.00

RUNNING TRAP

WITH DOUBLE HUB VENT

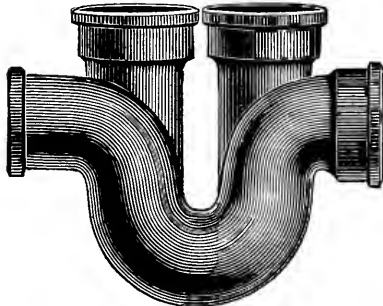


FIG. A-310.

SIZE	PRICE EACH	PRICE EACH
	STANDARD	EXTRA HEAVY
4-Inch, with 4-Inch Vent	3.25	4.25
5-Inch, with 4-Inch Vent	4.50	5.50
6-Inch, with 4-Inch Vent	5.50	7.00
8-Inch, with 6-Inch Vent	11.00	14.00

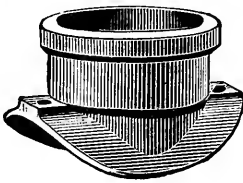
**"T" SADDLE HUB**

FIG. A-311.

SIZE	PRICE EACH STANDARD	PRICE EACH EXTRA HEAVY
2-Inch	.30	.40
3-Inch	.50	.65
4-Inch	.60	.80
5-Inch	.75	1.00
6-Inch	1.10	1.40

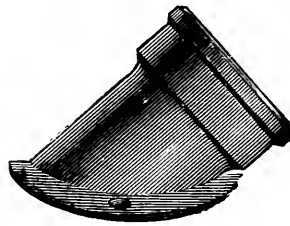
**"Y" SADDLE HUB**

FIG. A-312.

SIZE	PRICE EACH STANDARD	PRICE EACH EXTRA HEAVY
2-Inch	.35	.45
3-Inch	.55	.70
4-Inch	.70	.90
5-Inch	.90	1.15
6-Inch	1.25	1.55

NOTE—Reducing "T" Saddle and "Y" Saddle Hubs, same list as above.

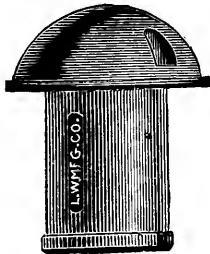
**VENTILATING CAPS**

FIG. A-313.

SIZE	PRICE EACH STANDARD	PRICE EACH EXTRA HEAVY
2-Inch	.40	.50
3-Inch	.60	.75
4-Inch	.80	1.25
5-Inch	1.10	2.50
6-Inch	1.50	3.50

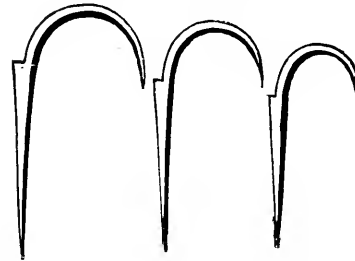
**PIPE HOOKS**

FIG. A-314.

SIZE	PRICE EACH
2-Inch	.08
3-Inch	.10
4-Inch	.12
5-Inch	.15
6-Inch	.20
8-Inch	.40

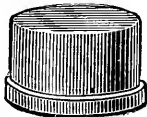
**PLUGS OR STOPPERS**

FIG. A-315.

SIZE	PRICE EACH STANDARD	PRICE EACH EXTRA HEAVY
2-Inch	.15	.25
3-Inch	.25	.35
4-Inch	.30	.40
5-Inch	.35	.50
6-Inch	.50	.65
8-Inch	1.20	1.50

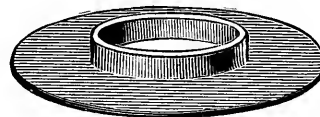
**ROOF PLATE**

FIG. A-316.

SIZE	PRICE EACH STANDARD	PRICE EACH EXTRA HEAVY
3-Inch	.40	.60
4-Inch	.50	.80
5-Inch	1.00	1.25
6-Inch	1.25	1.75
8-Inch	2.00	3.00

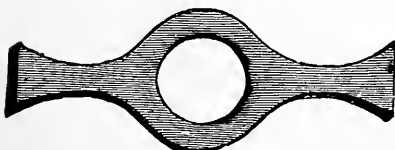
**PIPE RESTS**

FIG. A-317.

SIZE	PRICE EACH STANDARD	PRICE EACH EXTRA HEAVY
2-Inch	.30	.40
3-Inch	.40	.55
4-Inch	.50	.65
5-Inch	.60	.80
6-Inch	.70	1.00
8-Inch	1.10	1.75
10-Inch	1.75	2.50

PALMER SEWER VALVES

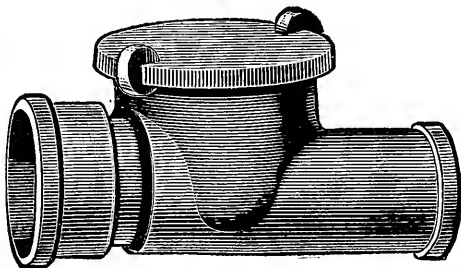


FIG. A-318.

Size .....	Inches	2	3	4	5	6	8
Price .....	Each	6.00	6.50	7.50	9.00	10.00	15.00

TEST PLUGS FOR SOIL PIPE

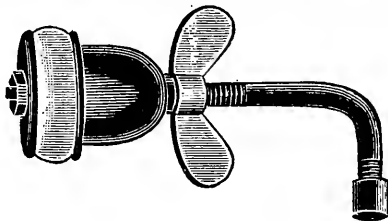


FIG. A-319.

Size .....	Inches	2	3	4	5	6	8
Price .....	Each	1.00	1.25	1.50	2.00	2.50	4.50

CELLAR TRAPS

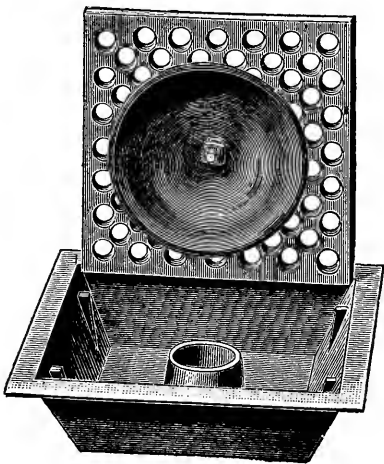


FIG. A-320.

Size .....	Inches	9 x 9 x 2½	12 x 12 x 2½
Price .....	Each	1.25	1.60



HYDRANT CESSPOOLS

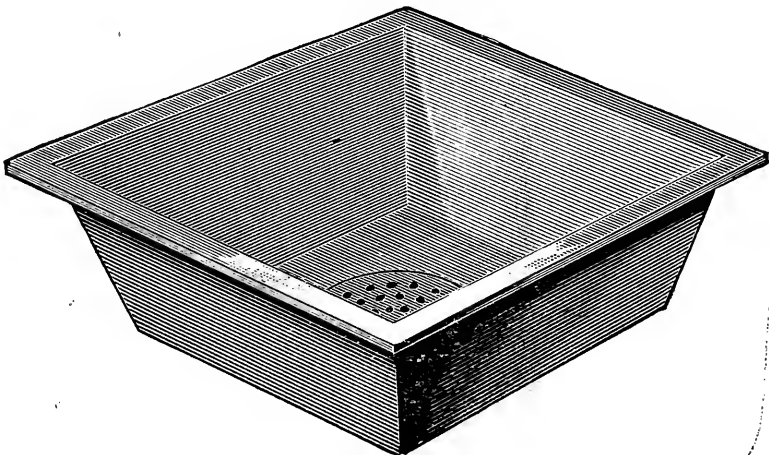


FIG. A-321.

Size .....	Inches	12 x 12 x 6	14 x 14 x 6	16 x 16 x 6
Price .....	Each	1.00	1.15	1.30

CESSPOOLS  
WITH BELL TRAP

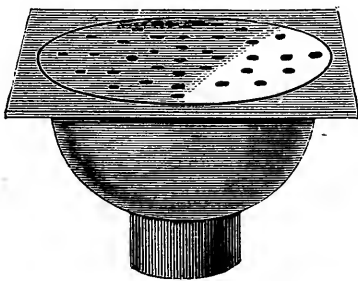


FIG. A-322.

Size .....	Inches	6 x 6	9 x 9	13 x 13
Price .....	Each	.75	1.00	2.50

CESSPOOL GRATES

ROUND

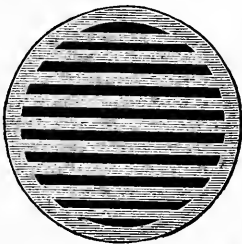


FIG. A-323.

SQUARE

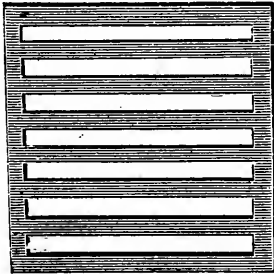


FIG. A-324.

ROUND CESSPOOL GRATES

Size .....	Inches	4	5	6	7	8
Price .....	Each	.20	.25	.30	.50	.65

SQUARE CESSPOOL GRATES

Size .....	Inches	6 x 8	7 x 9	10 x 10	10 x 12	12 x 12
Price .....	Each	.50	.65	.90	1.05	1.20

SQUARE SLOP SINK  
WITH 4-INCH OUTLET IN CENTER

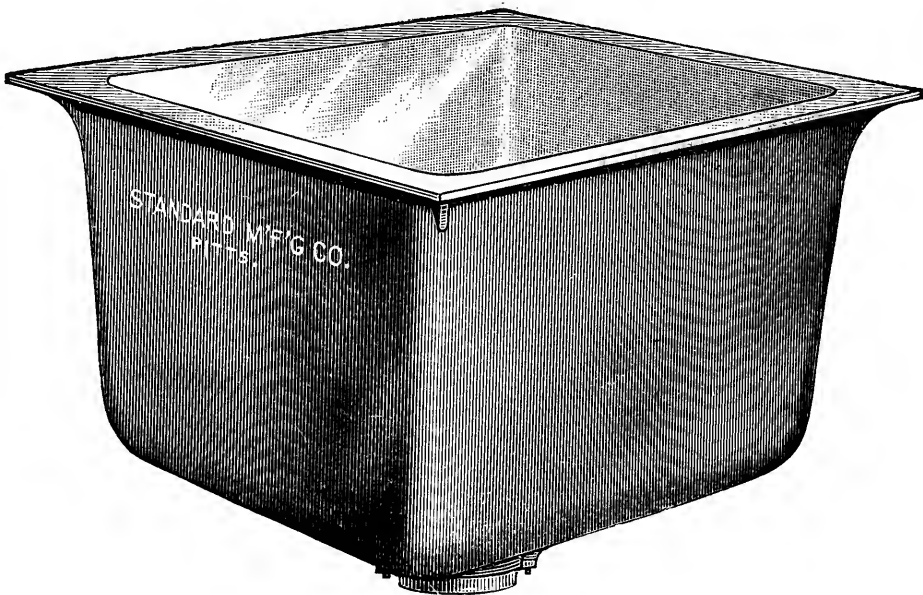


FIG. A-325.

SIZE, INCHES	PAINTED	GALVANIZED	WHITE ENAMELED
16 x 16 x 10 ----- Each	3.25	3.90	3.90
20 x 14 x 12 ----- Each	4.00	4.50	4.50
22 x 20 x 12 ----- Each	5.00	5.70	5.70
24 x 20 x 12 ----- Each	5.50	6.40	6.40

SLOP SINK  
WITH 2-INCH OUTLET

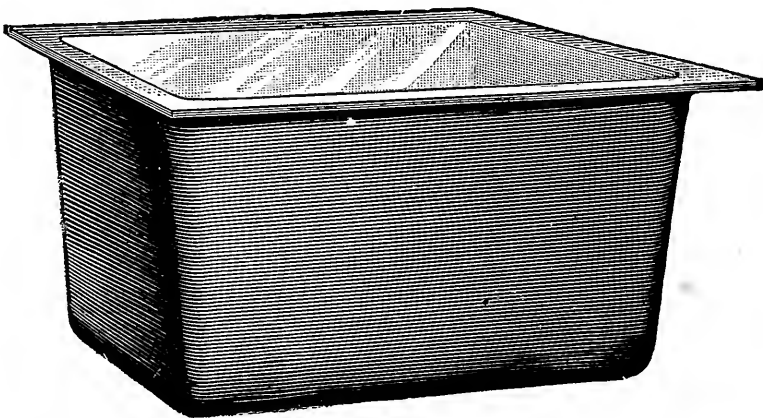


FIG. A-326.

SIZE, INCHES	PAINTED	GALVANIZED	WHITE ENAMELED
16 x 16 x 10 ----- Each	2.70	5.25	7.50
20 x 14 x 12 ----- Each	3.50	6.50	8.50
20 x 16 x 12 ----- Each	4.00	8.25	10.00
23 x 15 x 12 ----- Each	4.25	8.50	11.00
24 x 18 x 12 ----- Each	4.50	9.00	11.00
24 x 20 x 12 ----- Each	5.00	9.50	11.50
30 x 20 x 12 ----- Each	8.00	15.00	16.00
36 x 20 x 12 ----- Each	10.00	19.00	20.00

HARRIS SLOP SINK

WITH BELL TRAP

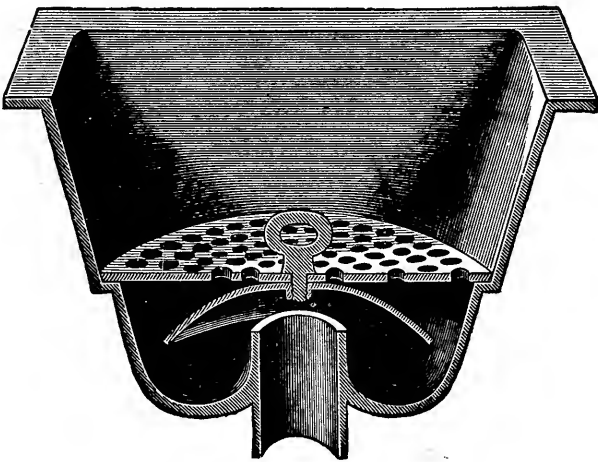


FIG. A—327.

Size .....	Inches	12 x 12	14 x 14	16 x 16
Painted .....	Each	2.00	2.25	2.50
Gray Enameled .....	Each	3.25	3.75	4.25
Galvanized .....	Each	3.25	3.75	4.25

BAILEY SLOP HOPPER

WITH BELL TRAP



FIG. A—328.

Square .....	Each	3.50
Round .....	Each	3.50

HALF ROUND SINKS

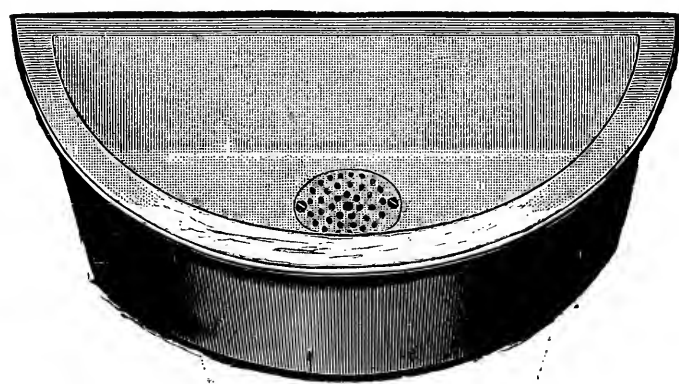


FIG. A-329.

		BACK WIDTH	BACK WIDTH	BACK WIDTH	BACK WIDTH
Size-----	Inches	24 x 14	27 x 15	29 x 16	31 x 17
Painted-----	Each	1.50	1.80	2.00	2.25
Galvanized-----	Each	3.25	3.90	4.50	4.75
White Enameled-----	Each	6.00	7.00	8.00	9.00

CORNER SINKS

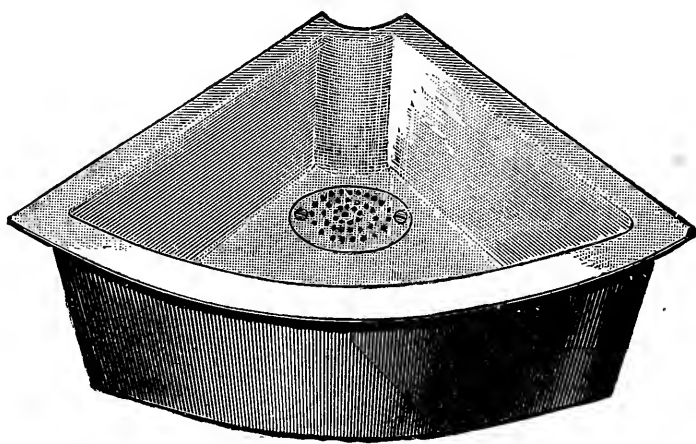


FIG. A-330.

Size-----	Inches	17 x 17 x 25	20 x 20 x 28	22 x 22 x 31
Painted-----	Each	1.25	1.75	2.10
Galvanized-----	Each	2.75	3.50	4.20
White Enameled-----	Each	6.00	7.00	8.00

## CAST IRON SINKS

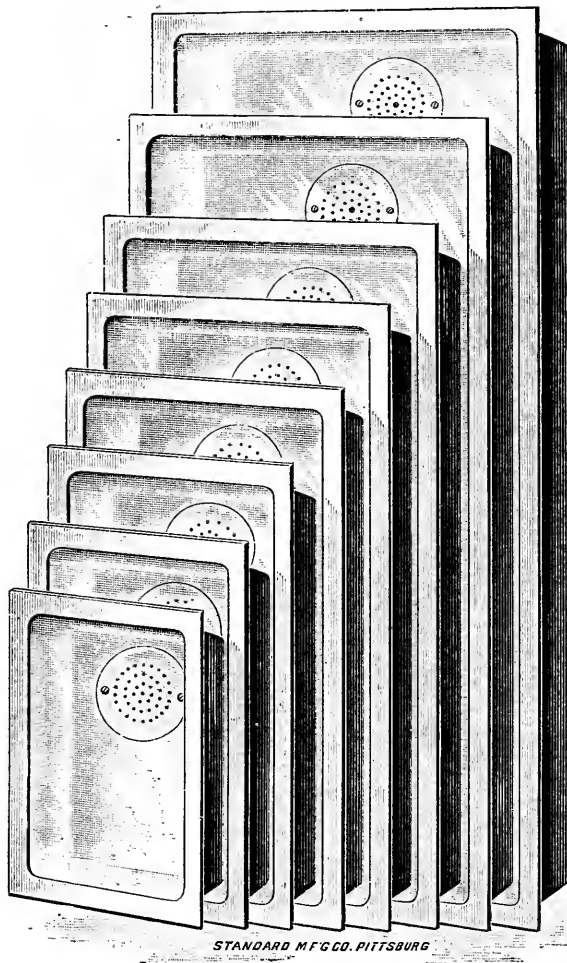


FIG. A-331.

## REVISED LIST—APRIL 1ST, 1899

SIZE, INCHES	PAINTED	GALVANIZED	ENAMELED	SIZE, INCHES	PAINTED	GALVANIZED	ENAMELED
16 x 12	1.10	2.30	4.50	* 30 x 16	2.25	4.75	7.75
* 18 x 12	1.25	2.60	4.75	* 30 x 18	2.50	5.10	8.50
20 x 12	1.50	3.00	5.25	* 30 x 20	3.00	6.25	9.00
* 20 x 14	1.50	3.20	6.00	* 32 x 18	3.00	6.25	9.50
22 x 14	1.60	3.30	6.25	* 36 x 18	3.00	6.50	9.50
23 x 15	1.70	3.75	6.25	* 36 x 20	3.70	7.75	10.50
* 24 x 14	1.70	3.75	6.25	38 x 19	3.80	8.00	11.00
* 24 x 16	1.80	4.00	6.50	* 40 x 20	4.00	8.50	11.50
* 24 x 18	2.10	4.30	7.00	* 42 x 20	4.25	9.00	12.00
* 24 x 20	2.40	5.00	7.50	* 42 x 22	4.25	9.00	12.00
27 x 15	2.00	4.25	7.25	* 48 x 20	5.30	11.50	13.25
* 28 x 16	2.10	4.50	7.50	* 48 x 23	5.75	12.50	15.50
28 x 17	2.20	4.50	7.50	50 x 24	7.50	16.00	18.00
28 x 20	2.70	5.50	8.00	62 x 22	10.75	22.00	26.00

\* Sizes carried in stock.

STEEL SINKS



FIG. A—332.

Size.....Inches	16 x 24	18 x 30	18 x 36	20 x 30	20 x 36	20 x 40
Painted.....Each	1.80	2.50	3.00	3.00	3.70	4.00
Galvanized.....Each	4.00	5.10	6.50	6.25	7.75	8.50
Blue Enameled.....Each	4.50	6.00	6.75	6.75	7.50	9.75
White Enameled.....Each	7.50	10.00	11.00	10.50	12.00	13.00

ROLL RIM SINK BACKS

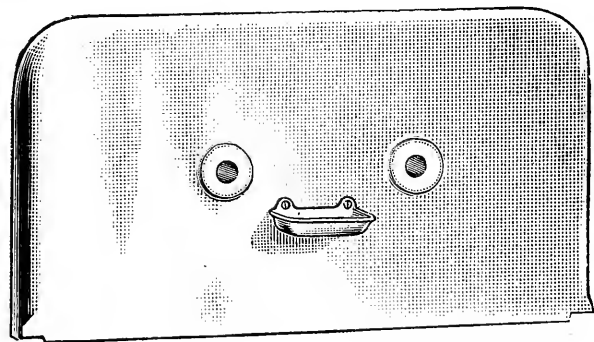


FIG. A—333.

Length.....Inches	20	22	24	28	30	32	36	38	42	48
Painted.....Each	1.25	1.35	1.50	1.80	2.00	2.25	2.75	3.00	3.50	4.25
Galvanized.....Each	2.30	2.40	2.60	3.30	3.50	3.70	4.20	4.50	4.90	5.60
White Enameled..Each	2.30	2.40	2.60	3.30	3.50	3.70	4.20	4.50	4.90	5.60

SINK COUPLINGS

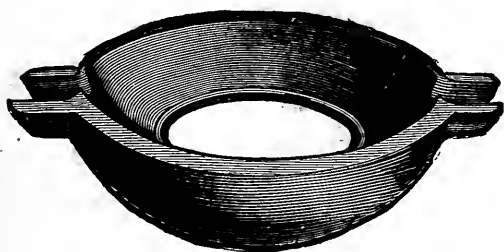


FIG. A-334.

Plain .....	Per dozen,	1.50
Galvanized .....	Per dozen,	2.00

SINK COUPLINGS

FOR IRON PIPE

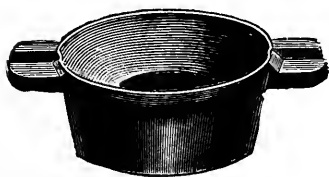


FIG. A-335.

Plain .....	Each,	.75
Galvanized .....	Each,	.90

PLUG SINK STRAINERS

WITH RUBBER STOPPERS

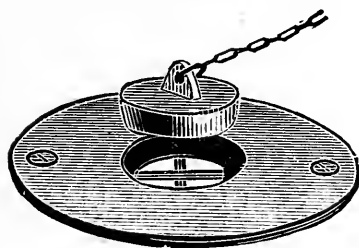


FIG. A-336.

Plain .....	Per dozen,	6.75
Galvanized .....	Per dozen,	8.25
Enameled .....	Per dozen,	10.00

OPEN SINK STRAINERS

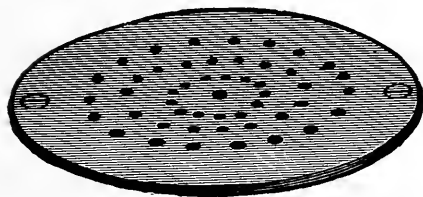


FIG. A-337.

Plain .....	Per dozen,	1.50
Galvanized .....	Per dozen,	2.60
Enameled .....	Per dozen,	3.00

SINK BOLTS



FIG. A-338.

Iron .....	Per dozen,	.25
Brass .....	Per dozen,	1.00

SINK BRACKETS

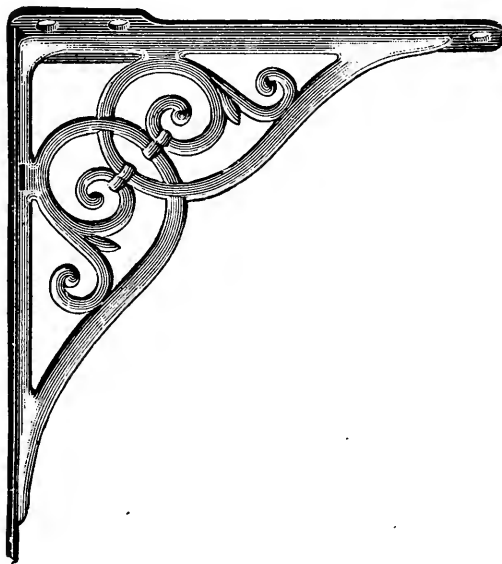


FIG. A-339.

NICKEL-PLATED  
STEEL BRACKETS

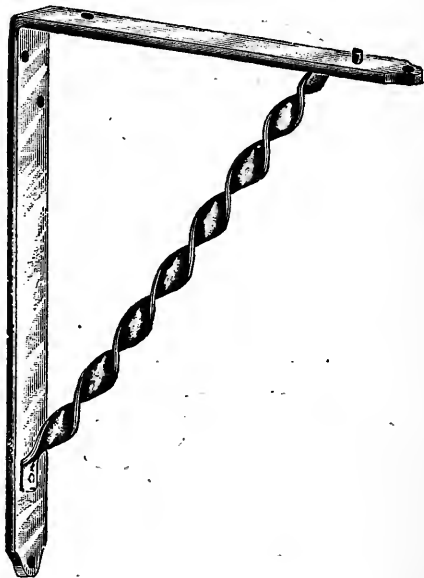


FIG. A-340.

Size .....	Inches	6 x 8	7 x 9	9 x 11	12 x 15	13 x 16	16 x 16	16 x 18	18 x 24	20 x 29
Sink Brackets, Painted .....	Each				.40		.45	.50		
Sink Brackets, Galvanized .....	Each				.65		.70	.75		
Lavatory Brackets .....	Each	.20	.25	.35		.60		.70	1.40	1.90

NICKEL-PLATED  
STEEL BRACKETS

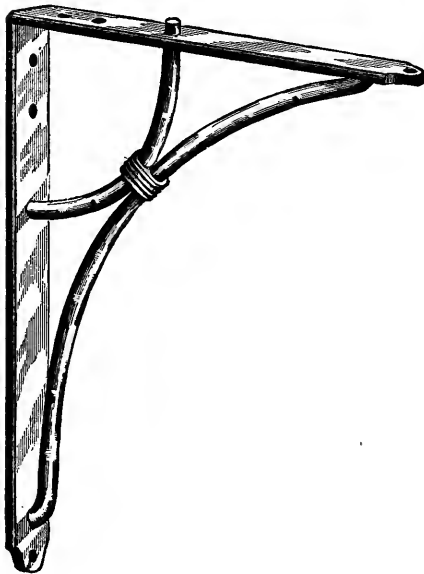


FIG. A-341.

NICKEL-PLATED  
COMPOSITE BRACKETS

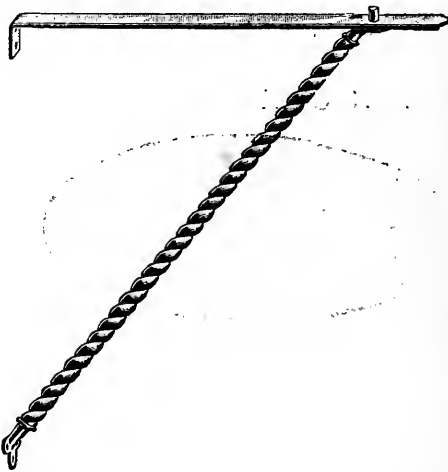


FIG. A-342.

Size .....	Inches	7 x 9	9 x 11	12 x 16	16 x 18	18 x 24	20 x 29
Fig. A-341 .....	Each	.35	.60	.70	.90	1.50	2.00
Fig. A-342 .....	Each	.50	.75	1.15	1.70	2.45	

NOTE—Fig. A-342 has Nickel-plated Steel Top and Nickel-plated Brass Brace.



ROLL RIM KITCHEN SINK



FIG. A-343.

DESCRIPTION—White Enameled Roll Rim Kitchen Sink, with 15-inch Back, with Con-  
cealed Galvanized Air Chambers, Nickel-Plated Fuller Bibbs, Nickel-Plated Strainers and  
Bronzed Iron Brackets.

Size ----- Inches	18 x 24	18 x 30	18 x 36	20 x 30	20 x 36	20 x 40
Price ----- Each	14.75	16.25	17.75	17.25	18.75	20.25

For Backs drilled for three Cocks, add to list \$1.00.

ROLL RIM KITCHEN SINK



FIG. A-344.

DESCRIPTION—White Enameled Roll Rim Kitchen Sink, with 15-inch Back and End, with Concealed Galvanized Air Chambers, Nickel-Plated Fuller Bibbs, Nickel-Plated Strainer, and Bronzed Iron Bracket.

Size-----Inches	18 x 24	18 x 30	18 x 36	20 x 30	20 x 36	20 x 40
Price-----Each	17.25	18.75	20.25	20.00	21.50	23.00

NOTE—For backs drilled for three Cocks, add to list \$1.00.

Can be furnished with End on Right or Left Hand Side, but unless otherwise ordered will be sent for Left Hand side.

ROLL RIM KITCHEN SINK

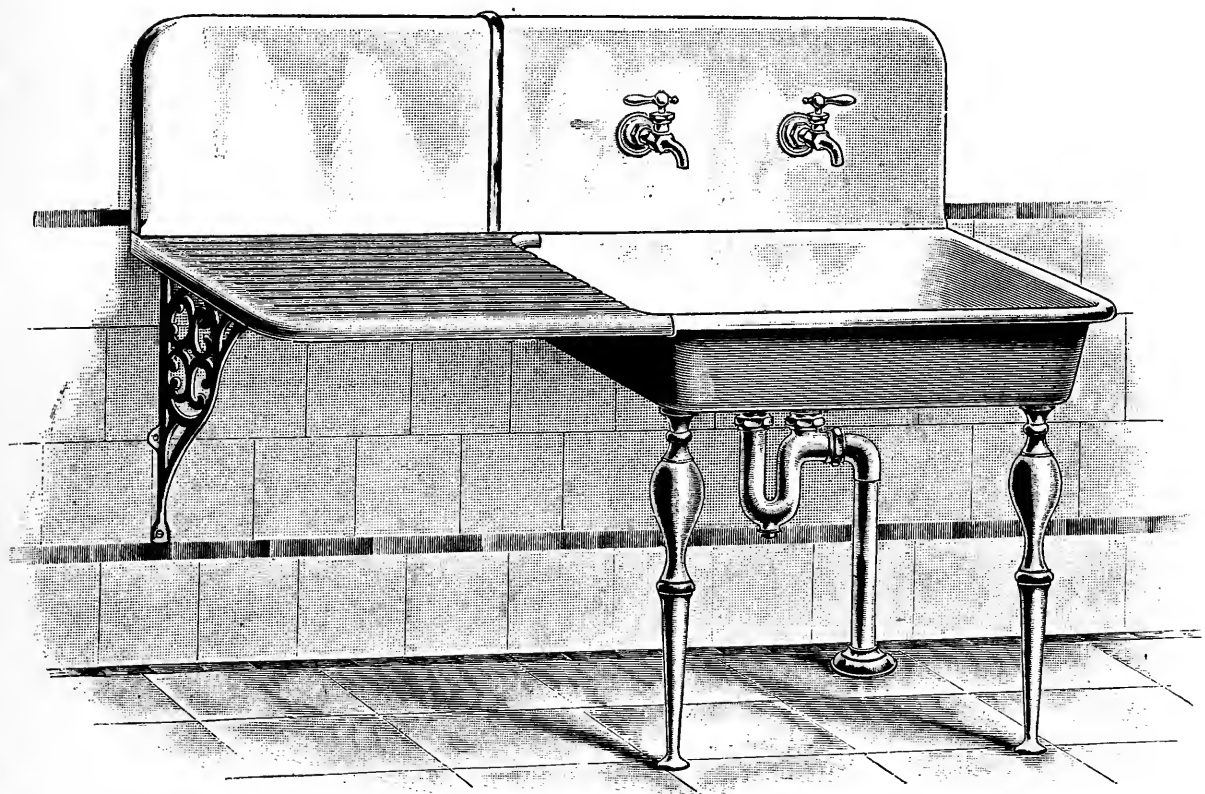


FIG. A-345.

DESCRIPTION—White Enameled Roll Rim Kitchen Sink, with 15-inch Back, with Concealed Galvanized Air Chambers, Nickel-plated Fuller Bibbs, Nickel-plated Strainer, 24-inch Ash Drain Board. Bronzed Iron Legs and Bracket.

Size-----Inches	18 x 24	18 x 30	18 x 36	20 x 30	20 x 36	20 x 40
Price, without Trap----Each	22.00	23.50	25.00	24.50	26.00	27.50

For Backs drilled for three Cocks, add to list----- 1.00

Above Sink can be furnished with Drain Board on either Right or Left Side, but unless otherwise ordered, will be sent for Left Side.

ROLL RIM KITCHEN SINK

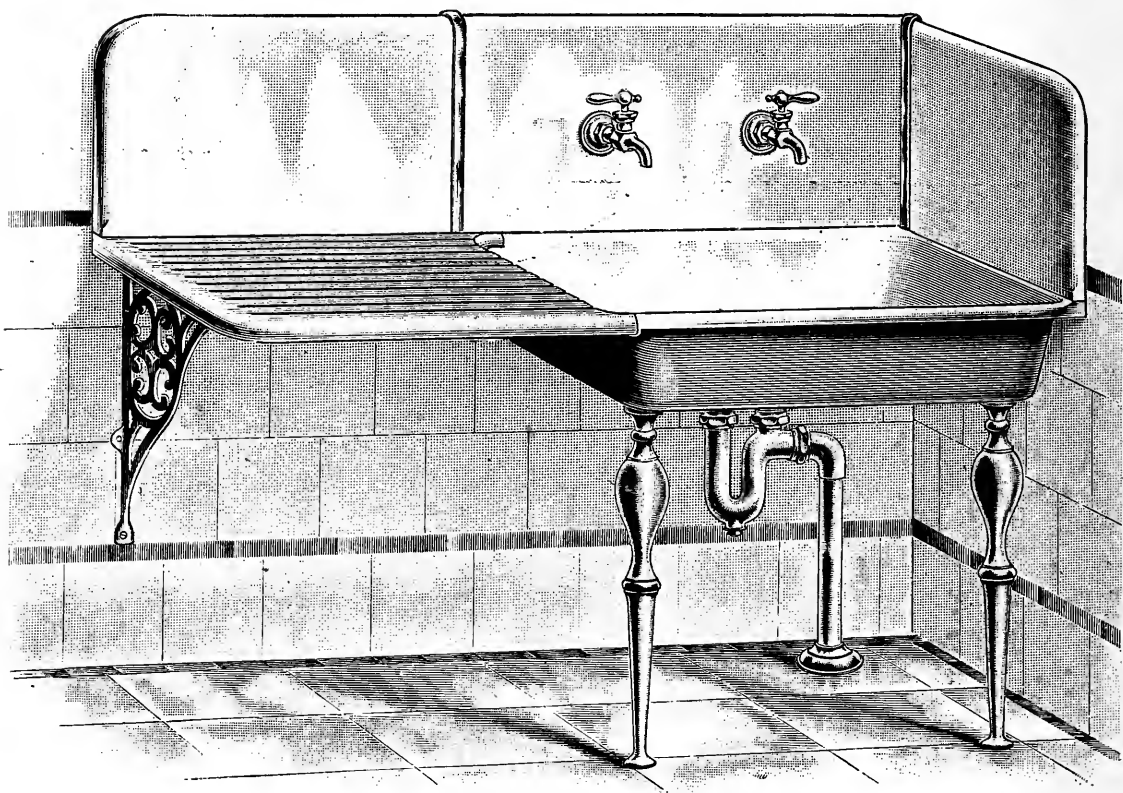


FIG. A-346.

DESCRIPTION—White Enameled Roll Rim Kitchen Sink, with 15-inch Back and End, with Concealed Galvanized Air Chambers, Nickel-plated Fuller Bibbs, Nickel-plated Strainer, 24-Inch Ash Drain Board, Bronzed Iron Leg and Bracket.

Size-----Inches	18 x 24	18 x 30	18 x 36	20 x 30	20 x 36	20 x 40
Price, without Trap-----Each	25.00	26.50	28.00	27.50	29.00	31.50

For Backs drilled for three Cocks, add----- 1.00

Above sink can be furnished with Drain Board on either right or Left Hand Side, but unless otherwise ordered, will always be sent for Left Side.

PORCELAIN ENAMELED LAUNDRY TUBS

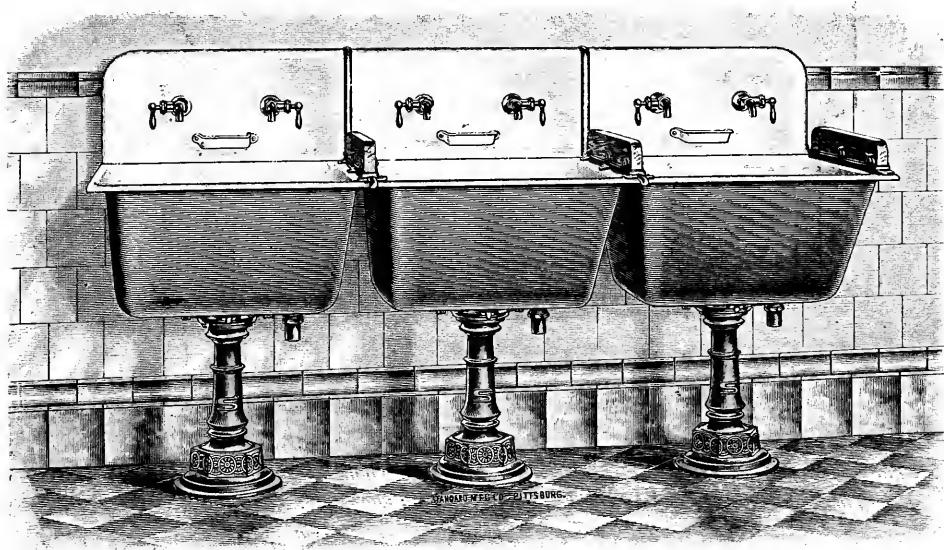


FIG. A-347.

DESCRIPTION—Porcelain Enameled Laundry Tubs, with 12-inch Enameled Back, Enameled Iron Soap Cups, Nickel-plated Fuller Bibbs, Nickel-plated Brass Union Strips, with Wringer Holders, and Nickel-plated Waste Plugs with Rubber Stoppers.

Price as described	Per Set of Two Tubs, 44.60
Price as described	Per Set of Three Tubs, 66.90

If Bibb Cocks are not wanted deduct for each Bibb.....1.15



SOAP STONE LAUNDRY TRAYS

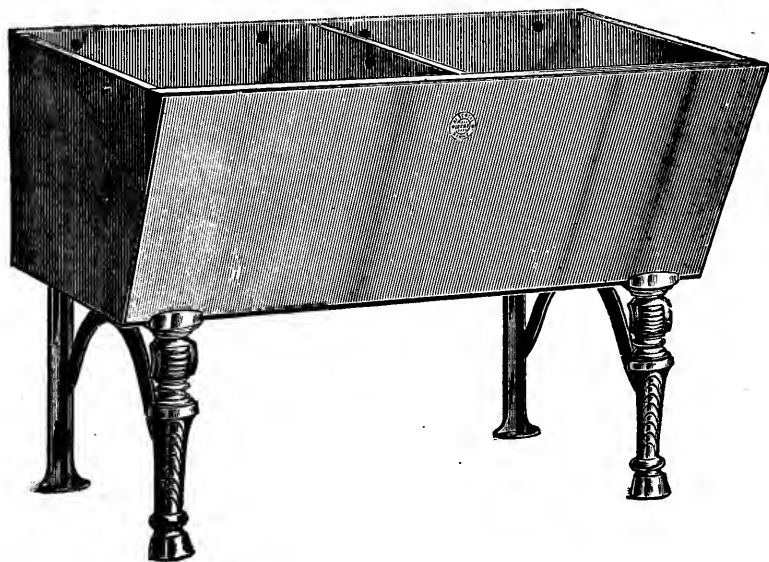


FIG. A-348.

TWO-PART TRAYS

LENGTH	WIDTH	DEPTH	PRICE	PRICE
			WITH PAINTED LEGS	WITH GALVANIZED LEGS
4 Feet	2 Feet	16 Inches	16.00	17.40
4 Feet 6 Inches	2 Feet	16 Inches	20.50	21.90

THREE-PART TRAYS

LENGTH	WIDTH	DEPTH	PRICE	PRICE
			WITH PAINTED LEGS	WITH GALVANIZED LEGS
6 Feet	2 Feet	16 Inches	32.35	34.45
6 Feet 6 Inches	2 Feet	16 Inches	37.35	39.45
7 Feet	2 Feet	16 Inches	40.35	42.45

NOTE—Above prices include Plugs and Stoppers, but DOES NOT include Cocks.

SOAP STONE LAUNDRY TRAYS

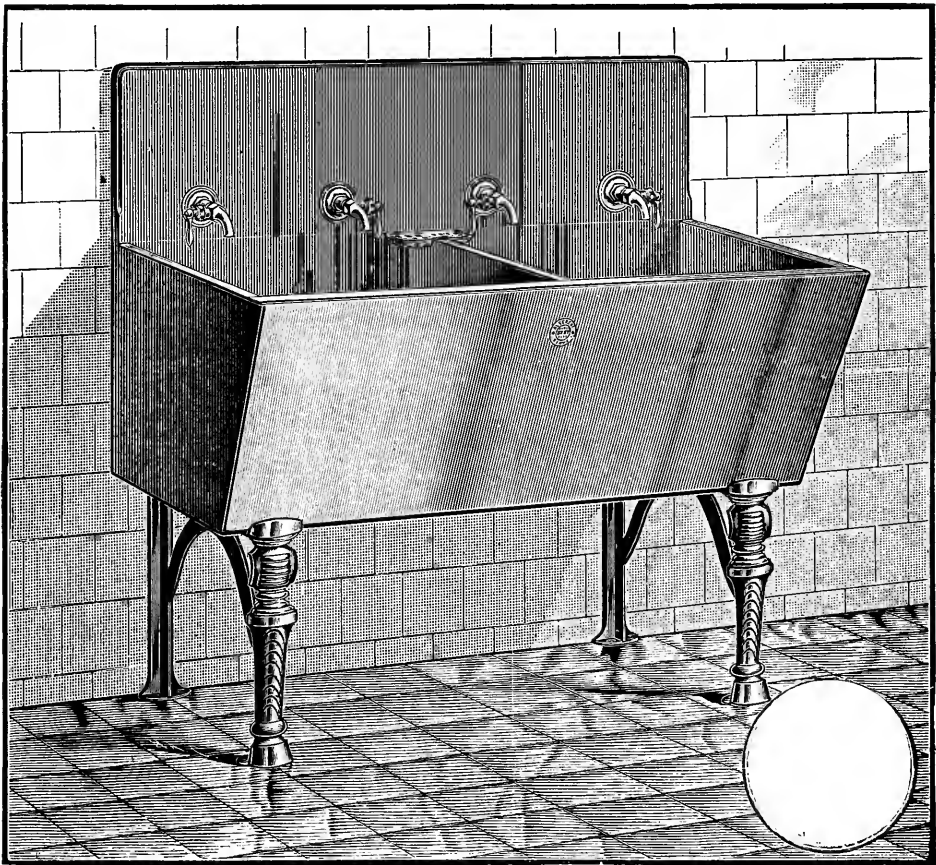


FIG. A-349.

TWO-PART TRAYS

LENGTH	WIDTH	DEPTH	HEIGHT OF BACK	PRICE	PRICE
				WITH PAINTED LEGS	WITH GALVANIZED LEGS
4 Feet	2 Feet	16 Inches	12 Inches	20.90	22.30
4 Feet 6 Inches	2 Feet	16 Inches	12 Inches	25.40	26.80

THREE-PART TRAYS

LENGTH	WIDTH	DEPTH	HEIGHT OF BACK	PRICE	PRICE
				WITH PAINTED LEGS	WITH GALVANIZED LEGS
6 Feet	2 Feet	16 Inches	12 Inches	38.35	40.45
6 Feet 6 Inches	2 Feet	16 Inches	12 Inches	43.35	45.45
7 Feet	2 Feet	16 Inches	12 Inches	46.35	48.45

Above prices include Plugs and Stoppers, but DOES NOT include Cocks.

ENAMELED IRON LAVATORY

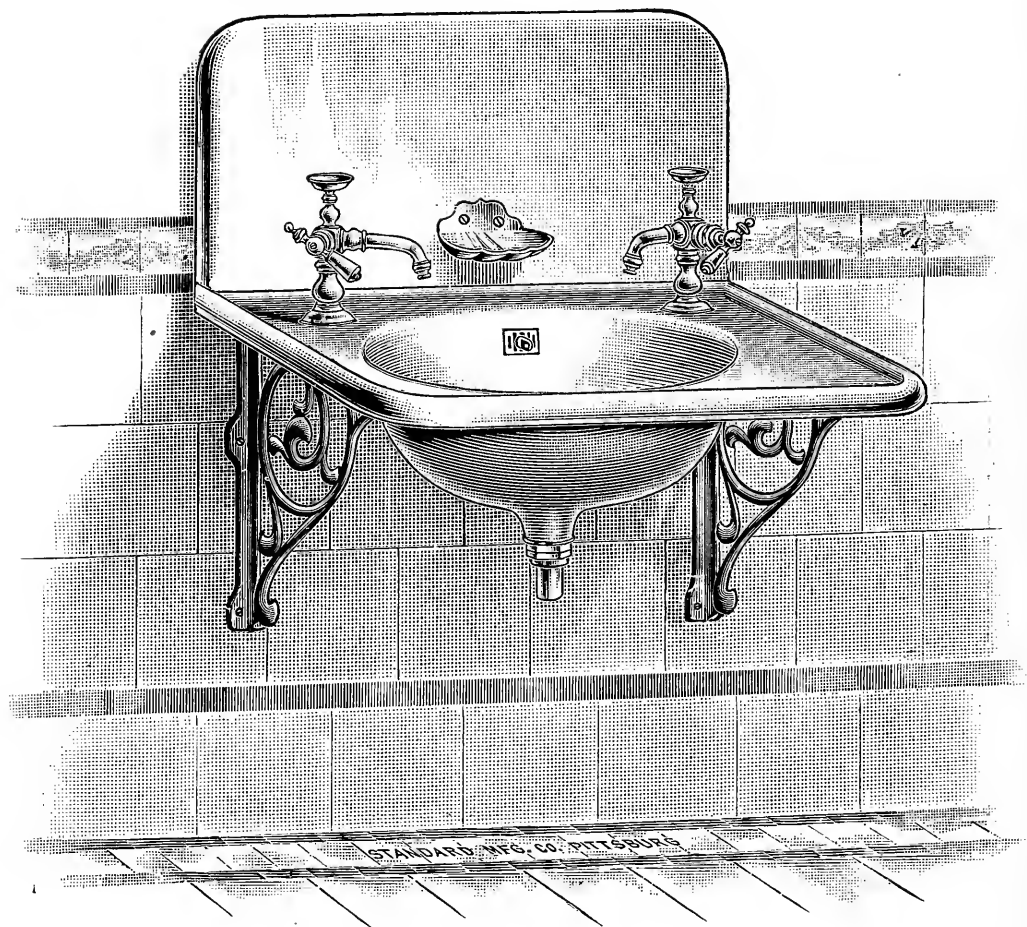


FIG. A-350.

DESCRIPTION—Enameled Iron Lavatory, with Patent Overflow Oval Bowl, Nickel-plated Brass Overflow Strainer, Nickel-plated Brass Soap Cup, Waste Plug with Rubber Stopper, and Bronzed Iron Brackets. Exterior Bronzed.

SIZE SLAB INCHES	SIZE BOWL INCHES	HEIGHT OF BACK INCHES	PRICE AS DESCRIBED	PRICE ENAMELED ALL OVER
16 x 20	11 x 14	12	10.00	13.00
18 x 24	12 x 15	12	12.00	15.00

Above Lavatory can be furnished with two end pieces for recess, for which add to list.. \$4.00

NOTE—Above prices do not include Cocks.



## ENAMELED IRON LAVATORY



FIG. A-351.

DESCRIPTION—Half Round Enameled Iron Lavatory with Patent Overflow Oval Bowl, Nickel-plated Brass Overflow Strainer, Nickel-plated Brass Soap Cup, Waste Plug with Rubber Stopper, and Bronzed Iron Brackets. Exterior Bronzed.

DIMENSIONS—Length of Back  $19\frac{1}{2}$  inches; Bowl,  $11 \times 14$  inches; Height of Back 6 inches; Wall to center of Waste, 8 inches; center to center of Cocks  $13\frac{1}{2}$  inches.

Price, as described, without Cocks .....	8.00
Price, Enameled all over, without Cocks .....	11.00

ENAMELED IRON LAVATORY



FIG. A—352.

DESCRIPTION—Corner Enameled Iron Lavatory, with Patent Overflow Oval Bowl, Nickel-plated Brass Overflow Strainer, Nickel-plated Brass Soap Cup, and Waste Plug with Rubber Stopper. Exterior Bronzed.

DIMENSIONS—Length of Sides, 16 inches; Bowl, 11x14 inches; Height of Back, 6 inches; Wall to center of Waste, 10 inches; center to center of Cocks, 6 inches.

Price, as described, without Cocks .....	7.50
Price, Enameled all over, without Cocks .....	10.50

## HALF ROUND LAVATORY



FIG. A-353.

DESCRIPTION—White Enameled Iron Lavatory, with Patent Overflow, and Waste Plug with Rubber Stopper. Exterior Bronzed.

DIMENSIONS—Length of Back, 19 inches; Diameter of Bowl,  $12\frac{1}{2}$  inches.

Price ..... 7.50

## CORNER LAVATORY

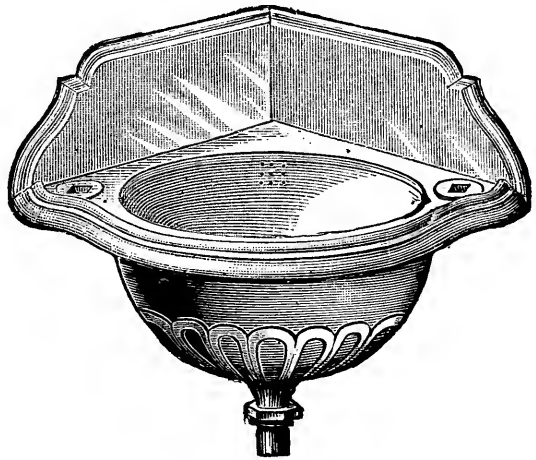


FIG. A-354.

DESCRIPTION—White Enameled Iron Lavatory, with Patent Overflow, and Waste Plug with Rubber Stopper. Exterior Bronzed.

DIMENSIONS—Length of Side, 13 inches; Diameter of Bowl,  $12\frac{1}{2}$  inches.

Price ..... 7.50

## HALF ROUND LAVATORY



FIG. A-355.

DESCRIPTION—White Enameled Iron Lavatory, with Patent Overflow, and Waste Plug with Rubber Stopper. Exterior Bronzed.

DIMENSIONS—Length of Back,  $13\frac{1}{2}$  inches; Diameter of Bowl,  $12\frac{1}{2}$  inches.

Price ..... 4.50

## CORNER LAVATORY

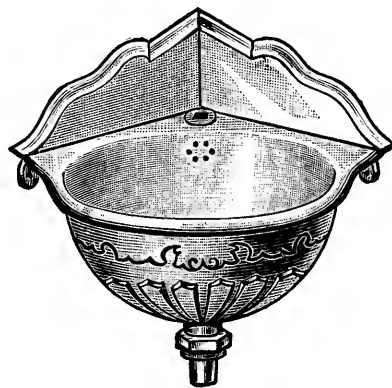


FIG. A-356.

DESCRIPTION—White Enameled Iron Lavatory, with Patent Overflow, and Nickel-plated Waste Plug with Rubber Stopper. Exterior Bronzed.

DIMENSIONS—Length of Side,  $12\frac{1}{2}$  inches; Diameter of Bowl,  $12\frac{1}{2}$  inches.

Price ..... 4.50

HALF ROUND LAVATORY

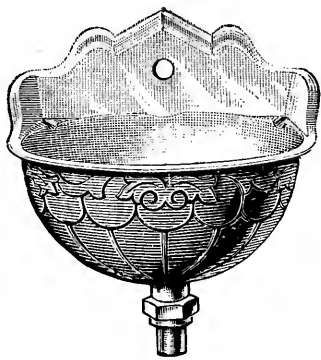


FIG. A-357.

DESCRIPTION—White Enameled Iron Lavatory, with Patent Overflow, and Waste Plug with Rubber Stopper. Exterior Bronzed.

DIMENSIONS—Length of Back, 13½ inches; Diameter of Bowl, 12 inches.

Price ----- 4.50

ROUND OR OVAL BOWL



FIG. A-358.

DESCRIPTION—White Enameled Iron Bowl, with Patent Overflow, and Nickel-plated Waste Plug with Rubber Stopper.

Price, 14-inch round Bowl ----- 3.50

Price, 14x17-inch oval Bowl----- 4.50

HALF ROUND URINAL

ENGLISH PATTERN

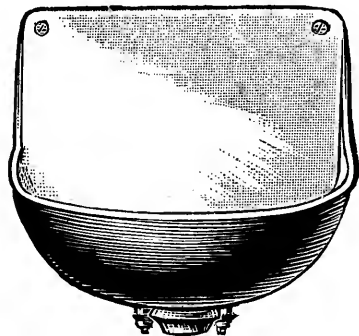


FIG. A-359.

	LENGTH OF BACK	PAINTED	ENAMELED
No. 1--	11 Inches	1.15	2.50
No. 2--	15 Inches	1.50	3.00

CORNER URINAL

ENGLISH PATTERN

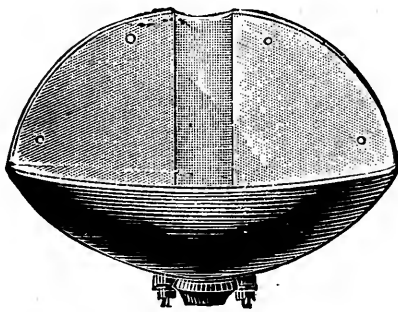


FIG. A-360.

	LENGTH OF BACK	PAINTED	ENAMELED
No. 1--	8 Inches	.90	1.75
No. 2--	9½ Inches	1.15	2.25
No. 3--	11 Inches	1.45	2.75

HOPPER CLOSET  
PHILADELPHIA PATTERN



FIG. A-361.

DESCRIPTION—Enameled Iron Hopper Closet (Philadelphia Pattern) with Side Arm.

Height.....	14 inches
Diameter on Top.....	18 inches
Outlet for 4-inch Soil Pipe.....	
Price, Enameled Inside.....	2.00

HOPPER CLOSET  
NEW PATTERN

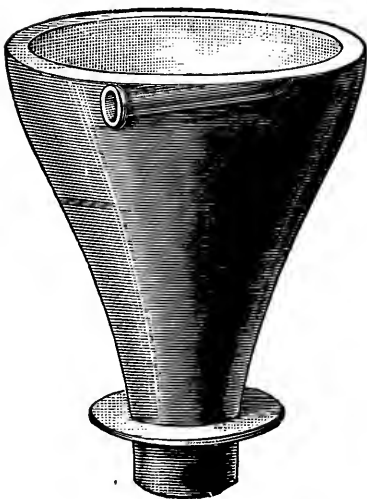


FIG. A-362.

DESCRIPTION—Enameled Iron Hopper Closet (New Pattern) with Side Arm.

Height.....	15½ inches
Diameter on Top.....	13 inches
Outlet for 4-inch Soil Pipe.....	
Price, Enameled Inside.....	2.00

HOPPER CLOSET  
PHILADELPHIA PATTERN



FIG. A-363.

DESCRIPTION—Enameled Iron Hopper Closet (Philadelphia Pattern) with Side Arm, Seat Lugs and Guide Ring for Valve Rod.

Height.....	13¼ inches
Outlet for 4-inch Soil Pipe.....	
Price, Enameled Inside.....	2.75

LONG ROUND HOPPER CLOSET

WITH BRASS SUPPLY CONNECTION



FIG. A-361.

HEIGHT, 14<sup>3</sup>/<sub>4</sub> INCHES

Enameled inside .....	5.00
Enameled inside and outside .....	6.00

LONG ROUND HOPPER CLOSET

WITH HARDWOOD SEAT AND BRASS SUPPLY CONNECTION



FIG. A-365.

HEIGHT, 15<sup>1</sup>/<sub>4</sub> INCHES

Enameled inside .....	6.50
-----------------------	------

## LONG OVAL HOPPER CLOSET

WITH SELF-RAISING SEAT AND BRASS SUPPLY CONNECTION



FIG. A—366.

HEIGHT, 15½ INCHES

Enameled inside----- 9.00

LONG ROUND HOPPER CLOSET

WITH SELF-RAISING SEAT, AND SINGLE OR DOUBLE ACTING VALVES

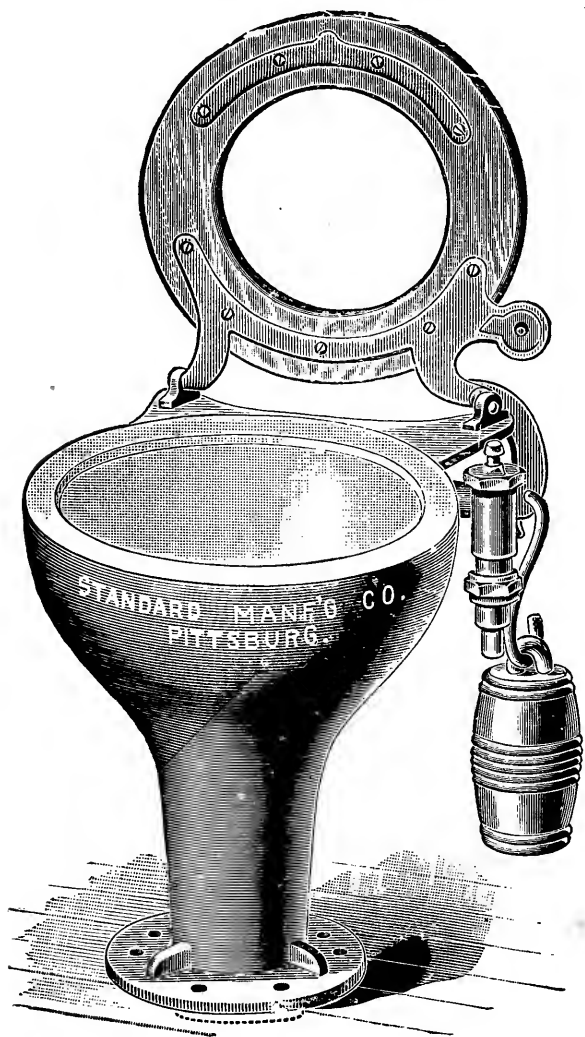


FIG. A-367.

HEIGHT, 14 INCHES

Enameled inside, with Round Seat.....	9.00
Enameled inside, with Square Seat.....	10.00



SHORT ROUND HOPPER OR TRAP

WITH SELF-RAISING SEAT, AND SINGLE AND DOUBLE ACTING VALVES

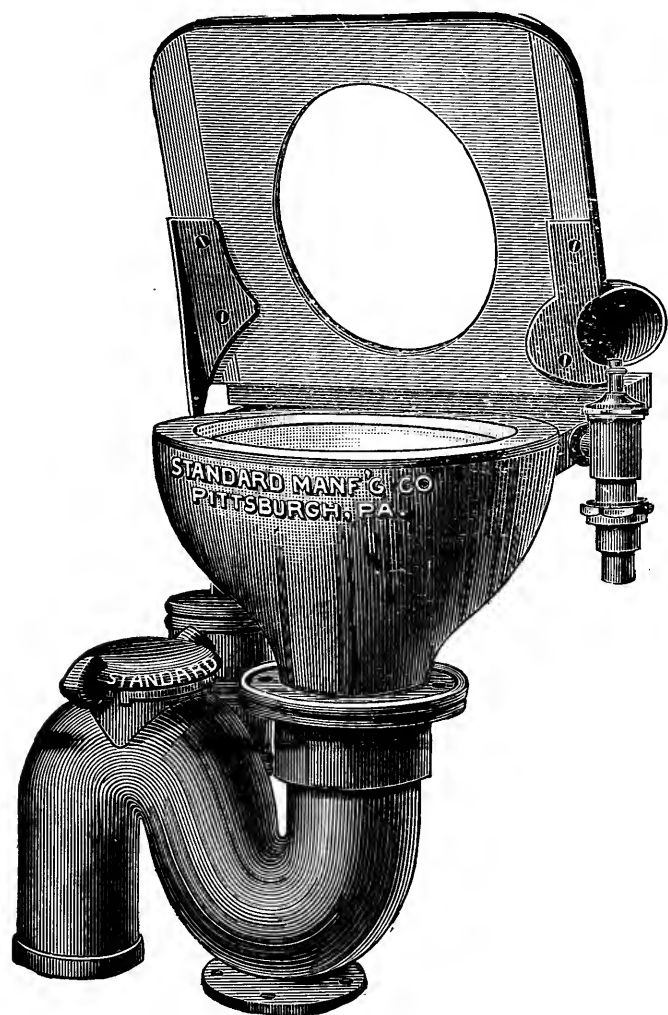


FIG. A-368.

HEIGHT, 17 INCHES

Hopper Enameled inside, with Painted Trap.....	11.00
Hopper Enameled inside, with Trap Enameled inside.....	12.25
Hopper Enameled inside and outside, with Trap Enameled inside.....	14.25
Hopper Enameled inside and outside, with Trap Enameled inside and outside.....	15.50

NOTE—Above can be furnished to calk in Soil Soil Pipe, or to set in Lead Bend. In ordering, please specify which is wanted.

## McIVER HOPPER CLOSET

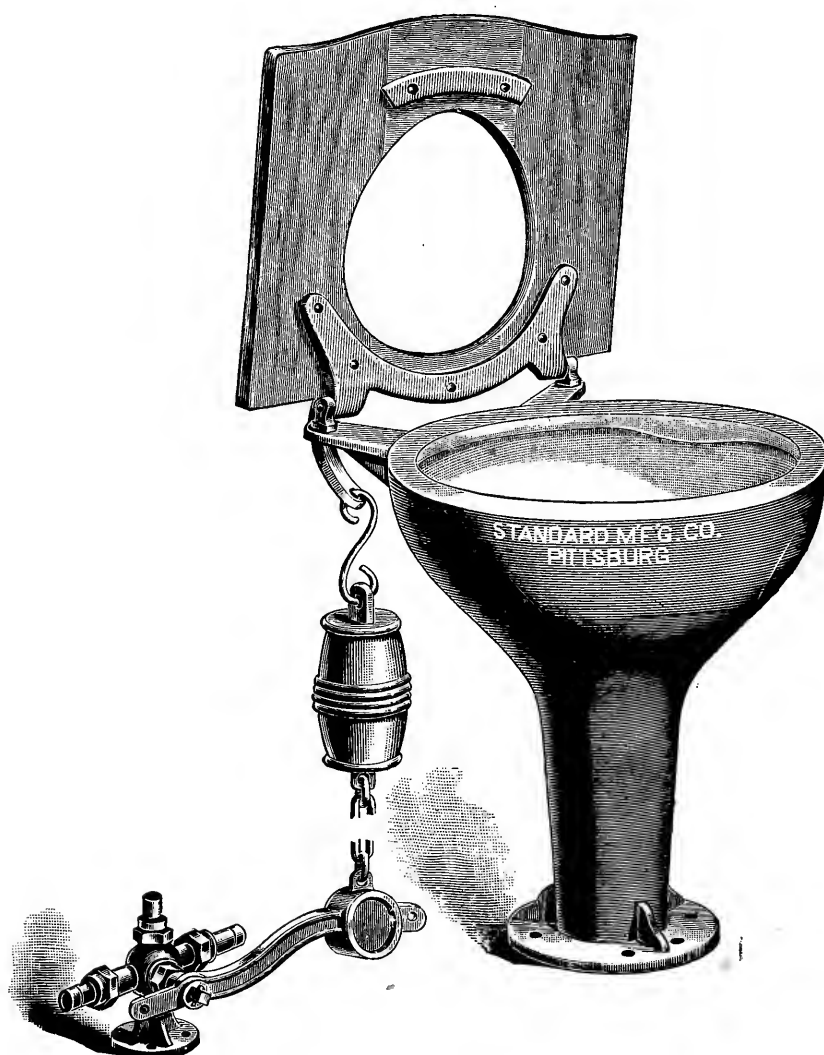


FIG. A-369.

HEIGHT, 15 INCHES

Especially adapted for use in exposed places, as the valve is placed below the frost line thereby avoiding all danger of water freezing.

Enameled inside .....	Each, 12.00
-----------------------	-------------

FROST PROOF WATER CLOSETS

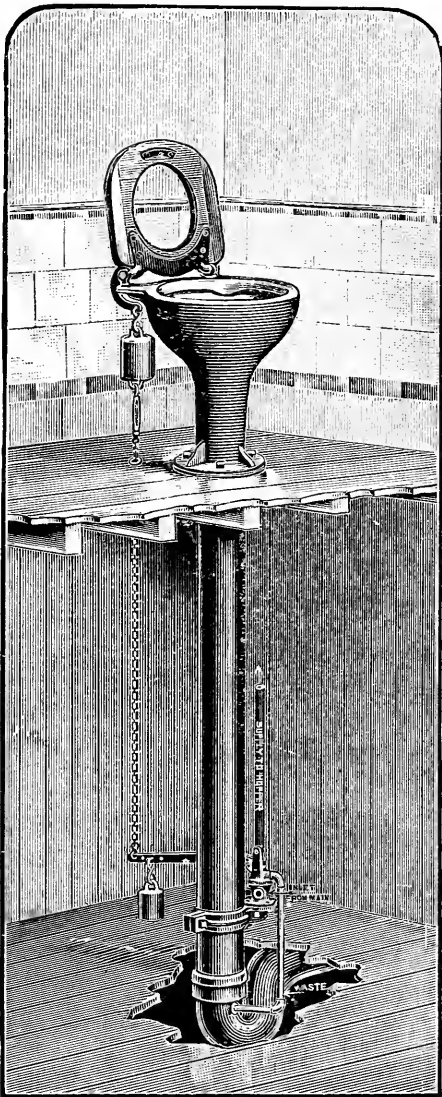


FIG. A-370.

DESCRIPTION—Cast Iron Hopper, Enameled inside, with Self-raising Seat. Frost Proof Valves, Brass Chain with Adjustable Coupling. 4-inch Cast Iron Waste Pipe, five feet long, with Flange for Hopper and Adjustable Valve Support, and Half "S" Cast Iron Trap tapped for Drain Pipe from Valve.

Price, as described .....	12.00
---------------------------	-------

ENAMELED SHORT OVAL FLUSHING RIM HOPPER

ON "S" TRAP

WITH BRASS VENT

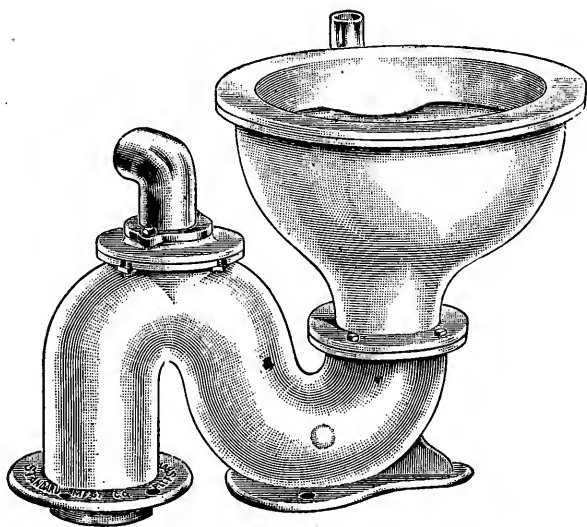


FIG. A-371.

Enameled inside and outside	8.50
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ENAMELED IRON WASHOUT CLOSET



FIG. A-372.

DESCRIPTION—Enameled Iron Washout Closet, with 2-inch Brass Trap Vent, 1¼-inch Brass Supply Connection and Improved Enameled Iron Flushing Rim, with Seat Lugs attached to Closet with Concealed Screws.

Price, Enameled inside	10.50
Price, Enameled inside and outside	12.00

## ENAMELED IRON WASHDOWN CLOSET

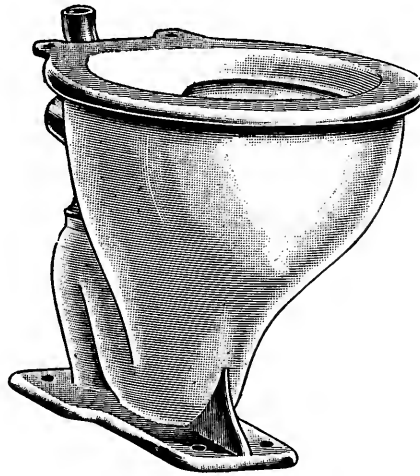


FIG. A-373.

Price, Enameled inside, with 1¼-inch Spud .....	15.00
Price, Enameled all over, with 1¼-inch Spud .....	17.00
Price, Enameled inside, with 2-inch Spud .....	16.00
Price, Enameled all over, with 2-inch Spud .....	18.00

## ENAMELED IRON SYPHON JET CLOSET



FIG. A-374.

DESCRIPTION—ENAMELED IRON SYPHON JET CLOSET, with 1¼-inch Brass Supply Pipe Connection, and Improved Enameled Iron Flushing Rim, attached to Closet with Concealed Screws.

Price, Enameled inside .....	18.00
Price, Enameled all over .....	22.00



FIG. A-375

DESCRIPTION—Plain No. 3 Front Washout, Roll Rim Bowl, Oak Seat with Cover and Back, Nickel-plated Seat Brackets, Beaded and Moulded Copper Lined Oak Tank. Complete with Valve, Ball-cock, Nickel-plated Chain with Pull and Nickel-plated Brackets. Nickel-plated (1¼-inch) Flush Pipe with Rubber Closet Connection, Nickel-plated (⅜-inch Iron Pipe Size) Supply Pipe. Nickel-plated Pipe Clamps, Closet Screws and Washers.

Price, with Plain Bowl .....	29.00
Price, with Embossed Bowl .....	30.00

ROUGHS IN 12 INCHES, WALL TO CENTER OF OUTLET

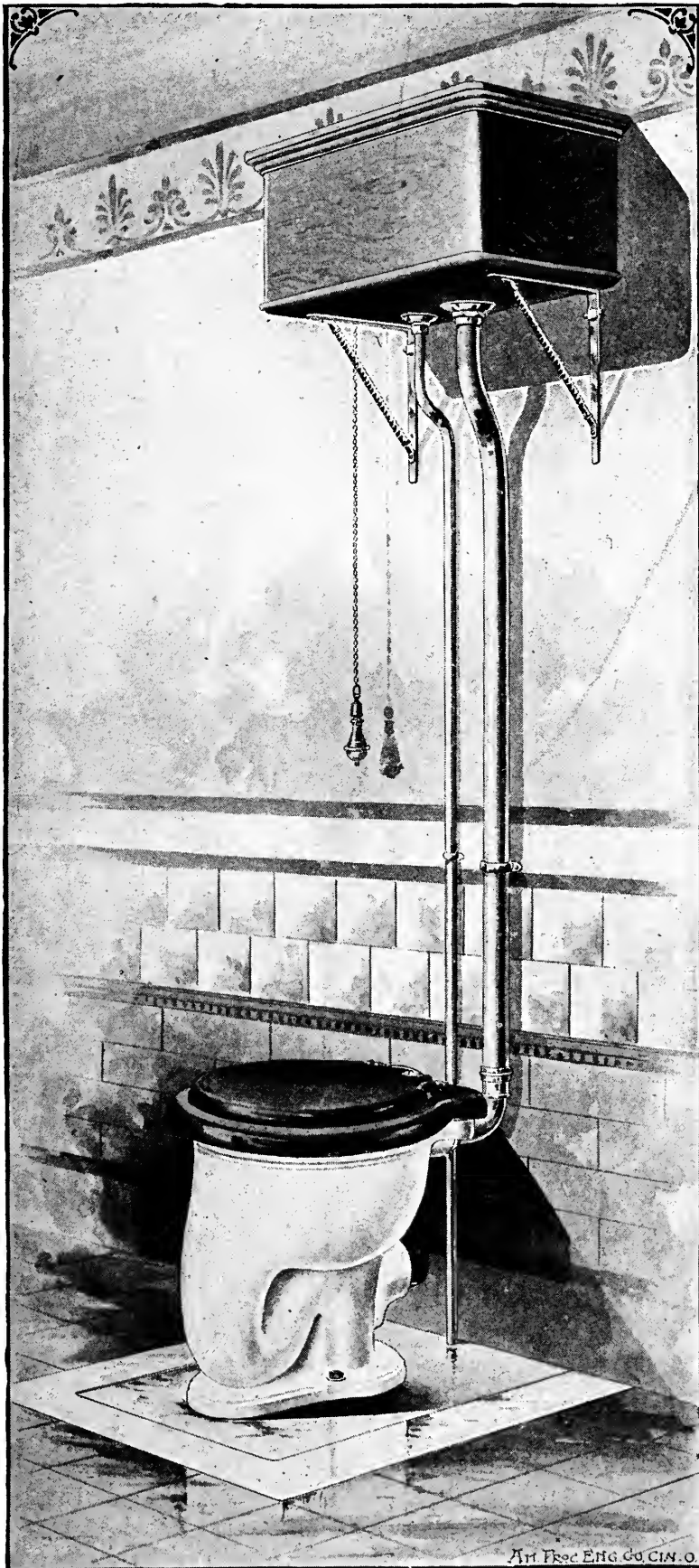


FIG. A-376.

DESCRIPTION—Plain No. 3 Front Washout Roll Rim Bowl with Oak Seat and Cover attached to Bowl. Round Corner Copper Lined Oak Tank with Moulding, complete with Valve, Ball Cock, Nickel-plated Chain with Pull, and Nickel-plated Brackets. Nickel-plated (1¼-inch) Flush Pipe and Slip Joint Ell, Nickel-plated (¾-inch Iron Pipe Size) Supply Pipe, Nickel-plated Pipe Straps, Closet Screws and Washers.

Price, with Plain Bowl .....	32.00
Price, with Embossed Bowl .....	33.00

ROUGHS IN 9 TO 11 INCHES, WALL TO CENTER OF OUTLET





FIG. A-377.

DESCRIPTION—Plain Syphon Action Washdown Roll Rim Bowl, Oak Seat with Cover and Back, Nickel-plated Seat Brackets, Round Corner Copper Lined Oak Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull, and Nickel-plated Brackets. Nickel-plated ( $1\frac{1}{4}$ -inch) Flush Pipe and Rubber Elbow, Nickel-plated ( $\frac{3}{8}$ -inch Iron Pipe Size) Supply Pipe, Nickel-plated Pipe Clamps, Closet Screws and Washers.

Price, with Plain Bowl .....	30.00
Price, with Embossed Bowl .....	31.00

ROUGHS IN 15 INCHES, WALL TO CENTER OF OUTLET



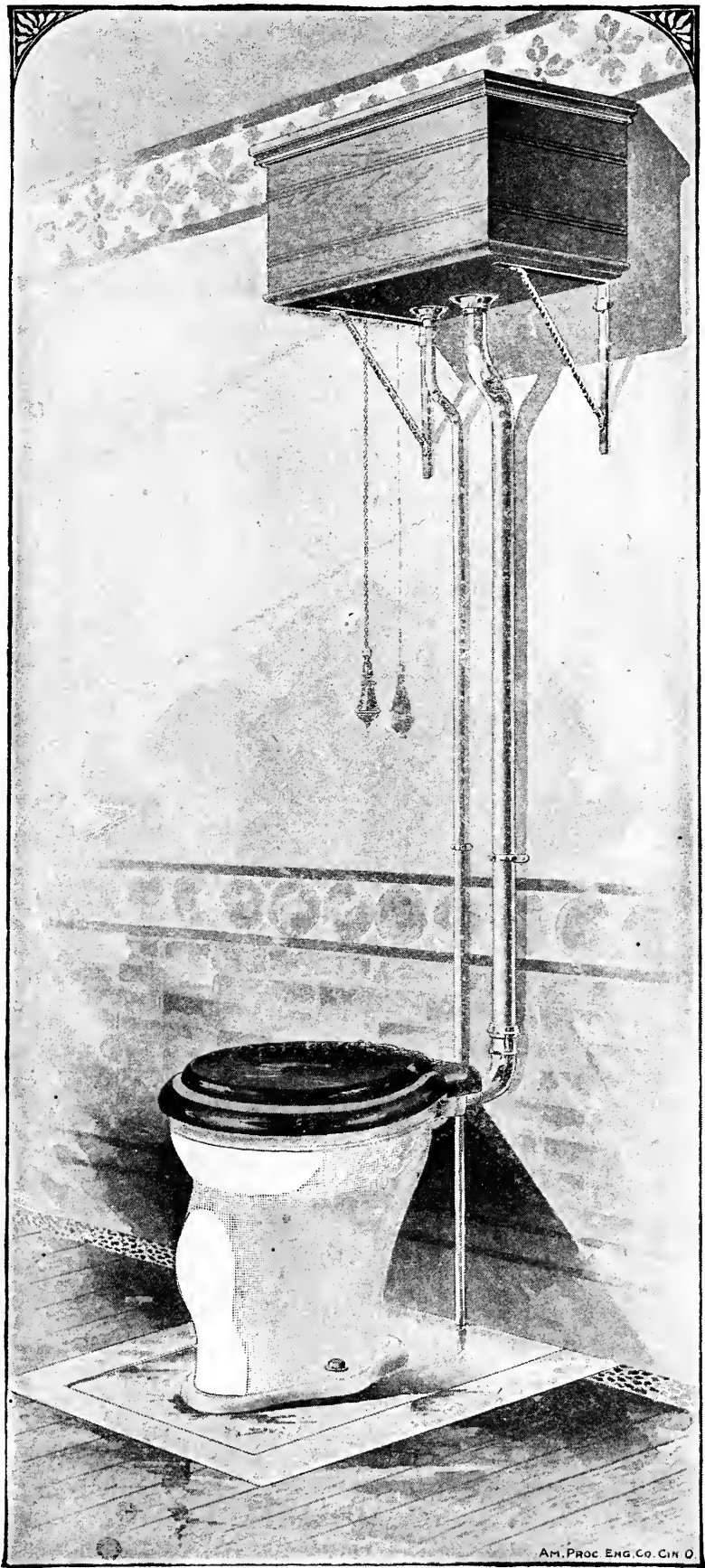


FIG. A—378.

DESCRIPTION—Plain Syphon Action Washdown Roll Rim Bowl, with Oak Seat and Cover attached to Bowl. Copper Lined, Beaded and Moulded Oak Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull and Nickel-plated Brackets. Nickel-plated (1¼-inch) Flush Pipe and Slip Joint Elbow. Nickel-plated (¾-inch Iron Pipe Size) Supply Pipe. Nickel-plated Pipe Straps, Closet Screws and Washers.

Price, with Plain Bowl	31.50
Price, with Embossed Bowl	32.50

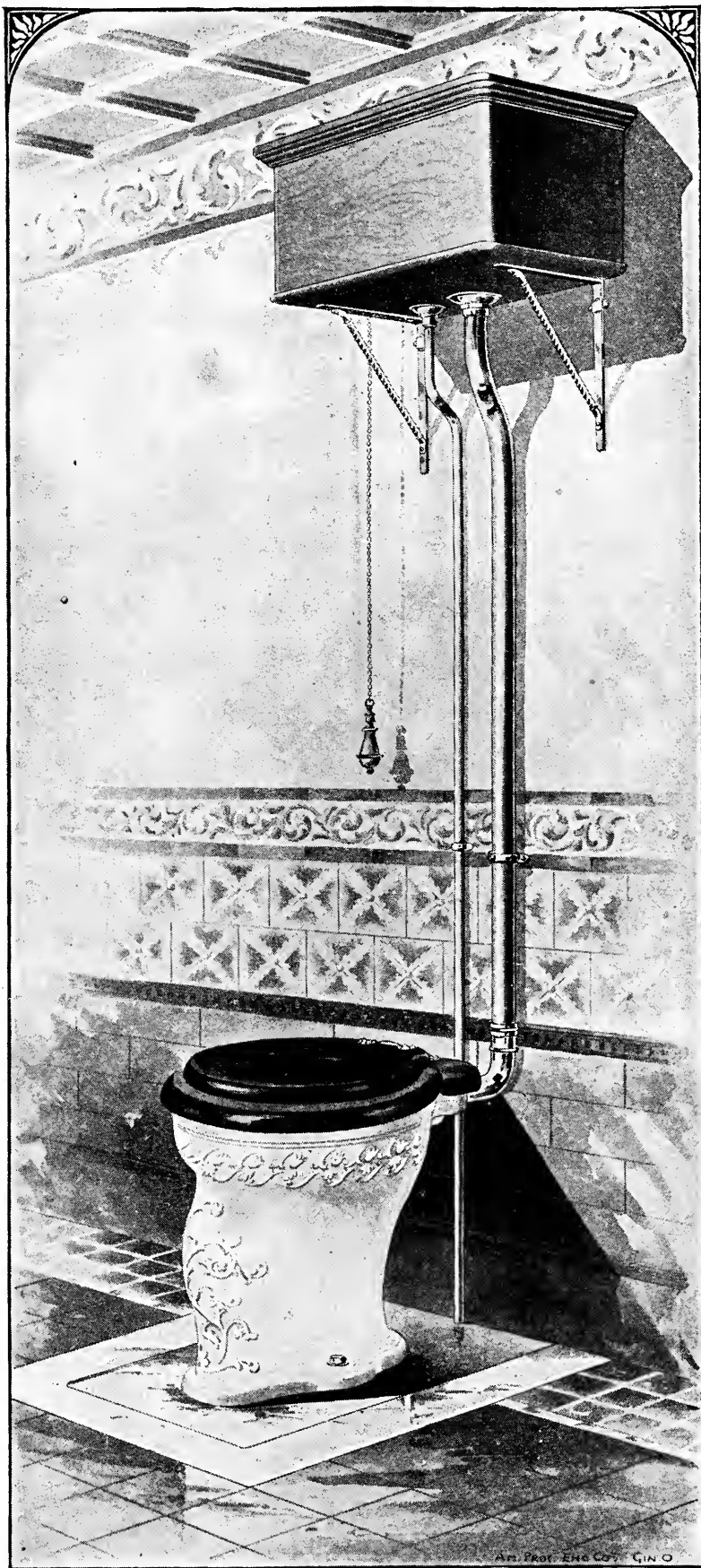


FIG. A-379.

DESCRIPTION—Embossed Syphon Action Washdown Roll Rim Bowl, with Oak Seat and Cover attached to Bowl. Round Corner and Beaded, Copper Lined Oak Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull and Nickel-plated Brackets. Nickel-plated (1¼-inch) Flush Pipe and Slip Joint Elbow. Nickel-plated (¾-inch Iron Pipe Size) Supply Pipe, Nickel-plated Pipe Straps, Closet Screws and Washers.

Price, with Plain Bowl.....	32.00
Price, with Embossed Bowl.....	33.00



FIG. A-380.

DESCRIPTION—Plain Syphon Jet Roll Rim Bowl, Oak Seat and Cover attached to Bowl. Round Corner Copper Lined Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull and Nickel-plated Brackets. Nickel-plated ( $1\frac{1}{2}$ -inch) Flush Pipe with Slip Joint, Nut and Flange. Nickel-plated ( $\frac{3}{8}$ -inch Iron Pipe Size) Supply Pipe. Nickel-plated Pipe Clamps, Closet Screws and Washers.

Price, with Plain Bowl.....	42.00
Price, with Embossed Bowl.....	43.00

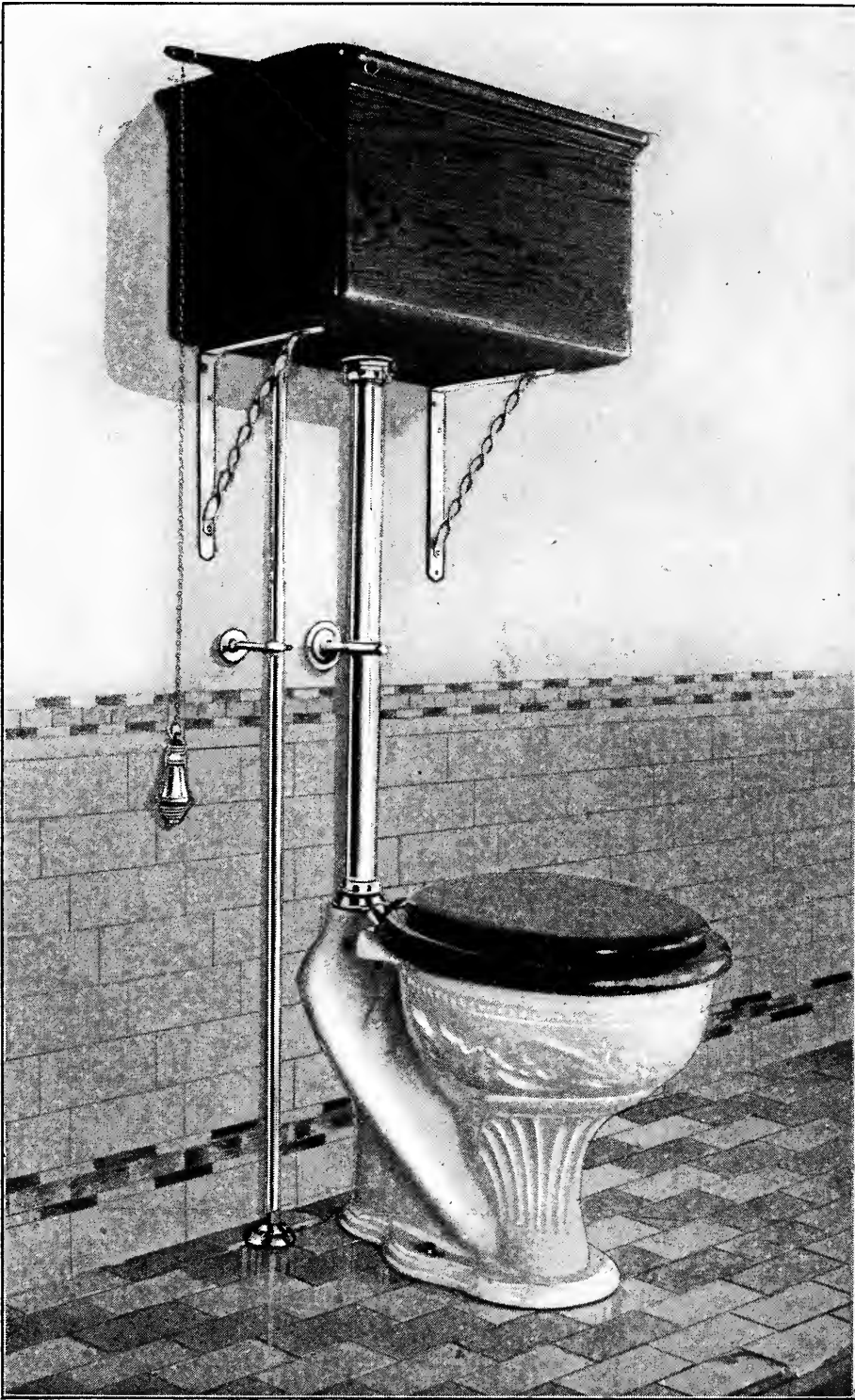


FIG. A—351.

DESCRIPTION—Embossed Syphon Jet Roll Rim Bowl, Oak Seat and Cover attached to Bowl. Round Corner and Moulded Copper Lined Oak Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull, and Nickel-plated Brackets. Nickel-plated (1½-inch) Flush Pipe. Nickel-plated (¾-inch Iron Pipe Size) Supply Pipe. Nickel-plated Pipe Clamps, Closet Screws and Washers.

Price, with Plain Bowl .....	45.00
Price, with Embossed Bowl .....	46.00





FIG. A—382.

DESCRIPTION—Plain Syphon Action Washdown Roll Rim Bowl. Oak Seat and Cover attached to Bowl. Beaded and Moulded Copper Lined Oak Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull, and Nickel-plated Tank Lugs. Nickel-plated ( $\frac{3}{8}$ -inch Iron Pipe Size) Supply Pipe. Nickel-plated Closet Connections. Nickel-plated Closet Screws and Washers.

Price, with Plain Bowl.....	32.00
Price, with Embossed Bowl.....	33.00

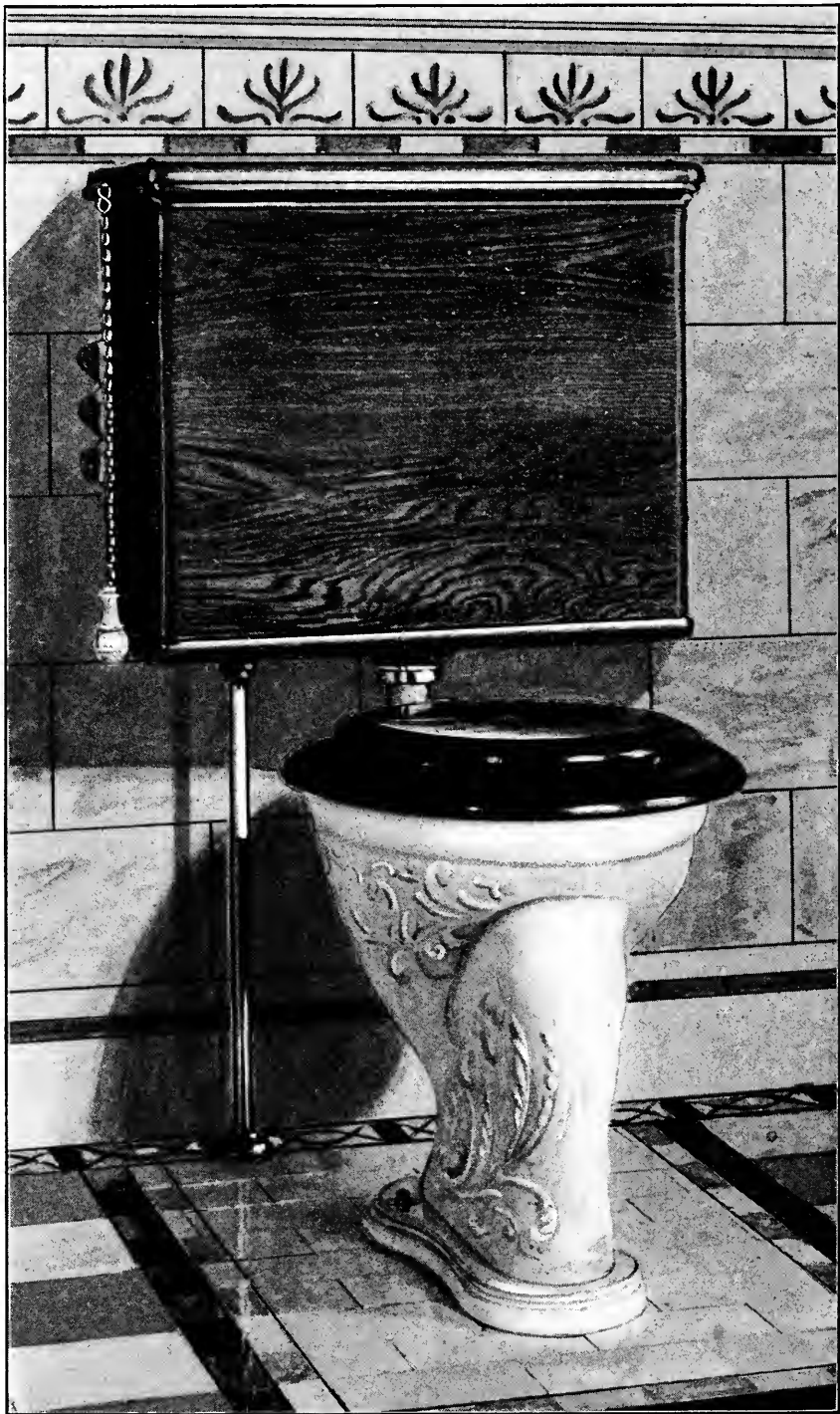


FIG. A—383.

DESCRIPTION—Embossed Syphon Action Washdown Roll Rim Bowl, Oak Seat and Cover attached to Bowl. Round Corner and Moulded Copper Lined Oak Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull, and Nickel-plated Tank Lugs. Nickel-plated ( $\frac{3}{8}$ -inch Iron Pipe Size) Supply Pipe. Nickel-plated Closet Connections, and Nickel-plated Closet Screws with Washers.

Price, with Plain Bowl .....	33.00
Price, with Embossed Bowl .....	34.00



FIG. A—384.

DESCRIPTION—Plain Syphon Jet Roll Rim Bowl, Oak Seat and Cover attached to Bowl. Round Corner and Moulded Copper Lined Oak Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull and Nickel-plated Tank Lugs. Nickel-plated ( $\frac{3}{8}$  inch Iron Pipe Size) Supply Pipe. Nickel-plated Closet Connections and Nickel-plated Closet Screws with Washers.

Price, with Plain Bowl.....	41.00
Price, with Embossed Bowl.....	42.00



FIG. A—385.

DESCRIPTION—Embossed Syphon Jet Roll Rim Bowl, Oak Seat and Cover attached to Bowl. Solid Bent Copper Lined Oak Tank, complete with Valve, Ball Cock, Nickel-plated Chain with Pull, and Nickel-plated Tank Lugs. Nickel-plated ( $\frac{3}{8}$ -inch Iron Pipe Size) Supply Pipe. Nickel-plated Closet Connections and Nickel-plated Closet Screws with Washers.

Price, with Plain Bowl.....	47.00
Price, with Embossed Bowl.....	48.00



**EARTHENWARE****TALL ROUND FLUSH RIM HOPPER**

FIG. A-386.

Price, without Spud or Coupling	5.00
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**TALL OVAL FLUSH RIM HOPPER**

FIG. A-387.

Price, without Spud or Coupling	6.50
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EARTHENWARE

PLAIN FRONT WASHOUT ROLL RIM CLOSET



FIG. A—388.

	NO. 2	NO. 3
Price -----	10.25	8.00

Seat Attachment, Spuds and Couplings charged for extra.

EMBOSSED FRONT WASHOUT ROLL RIM CLOSET

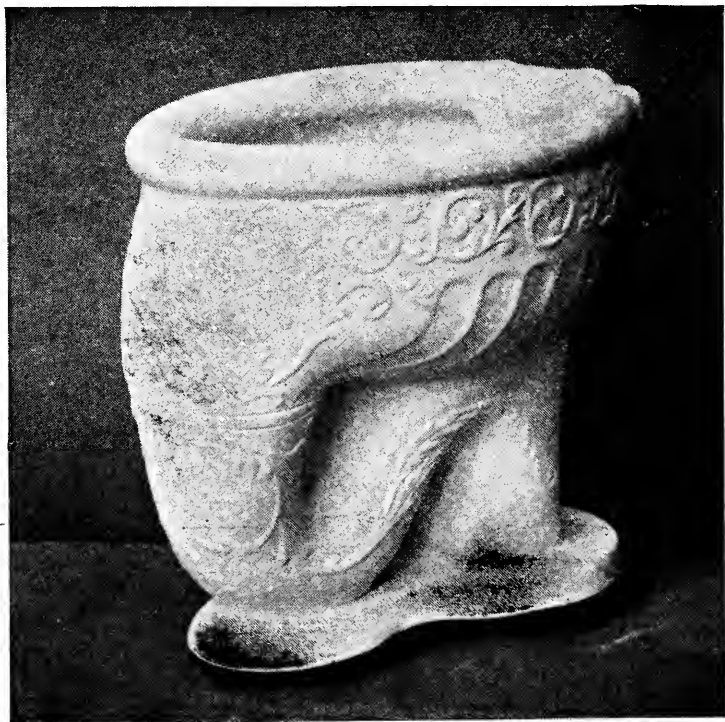


FIG. A—389.

	NO. 2	NO. 3
Price -----	11.25	9.00

Seat Attachment, Spuds and Couplings charged for extra.

**EARTHENWARE****PLAIN SYPHON ACTION WASHDOWN ROLL RIM CLOSET**

FIG. A—390.

Price .....	8.50
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Seat Attachment, Spuds and Couplings charged for extra.

**EMBOSSED SYPHON ACTION WASHDOWN ROLL RIM CLOSET**

FIG. A—391.

Price .....	9.50
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Seat Attachment, Spuds and Couplings charged for extra.

EARTHENWARE

PLAIN SYPHON JET ROLL RIM CLOSET



FIG. A-392.

Price	17.00
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Seat Attachment, Spuds and Couplings charged for extra.

EMBOSSED SYPHON JET ROLL RIM CLOSET



FIG. A-393.

Price	18.00
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Seat Attachment, Spuds and Couplings charged for extra.

EARTHENWARE

PLAIN FLAT BACK URINAL

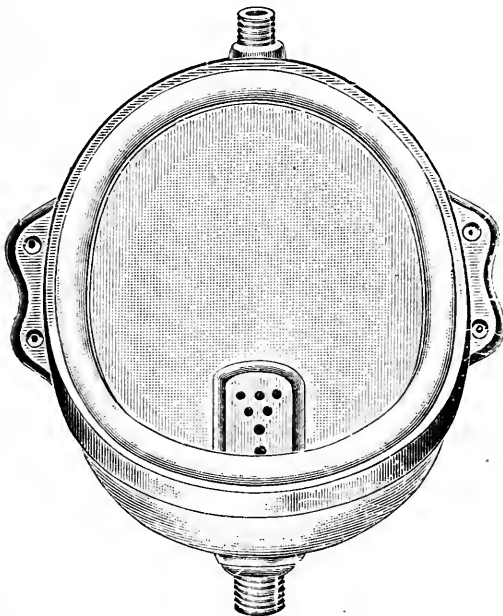


FIG. A-394.

No. 1	8.00
No. 2	6.00
No. 3	5.00

FLAT BACK LIPPED URINAL

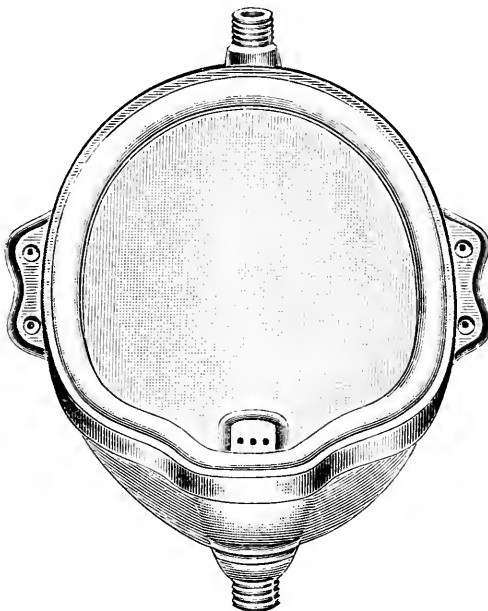


FIG. A-395.

No. 1	10.00
No. 2	8.00
No. 3	7.00

SIZES—No. 1, 15x18; No. 2, 13x15; No. 3, 12x14.

PLAIN CORNER URINAL

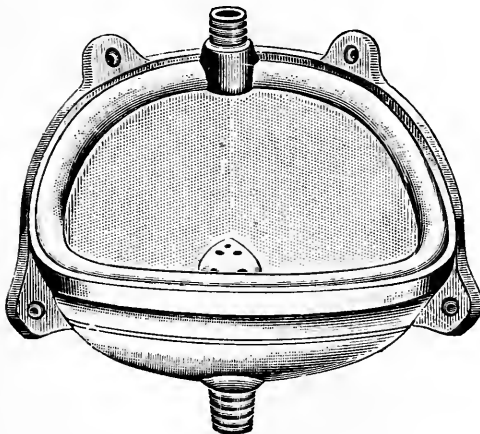


FIG. A-396.

No. 1	8.00
No. 2	6.00
No. 3	5.00

LIPPED CORNER URINAL

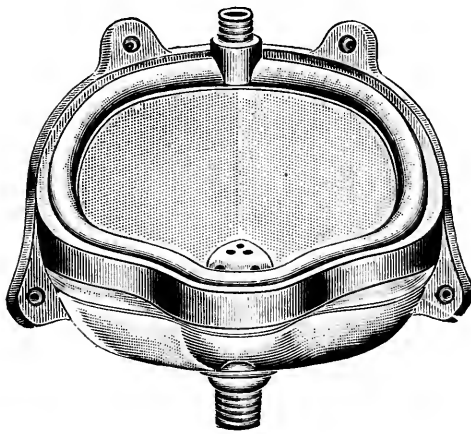


FIG. A-397.

No. 1	10.00
No. 2	8.00
No. 3	7.00

SIZES—No. 1, 13x13; No. 2, 11½x11½; No. 3, 10½x10½.

EARTHENWARE BASINS

NO OVERFLOW

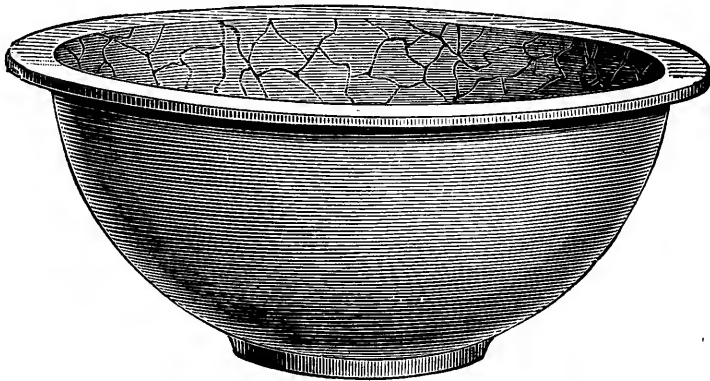


FIG. A-398.

Outside Diameter ----- Inches	12	13	14	15	16	14x17	15x19	16x21
Price, Round ----- Each	1.00	1.00	1.00	1.50	2.00			
Price, Oval ----- Each						2.50	3.50	4.50

COMMON OVERFLOW

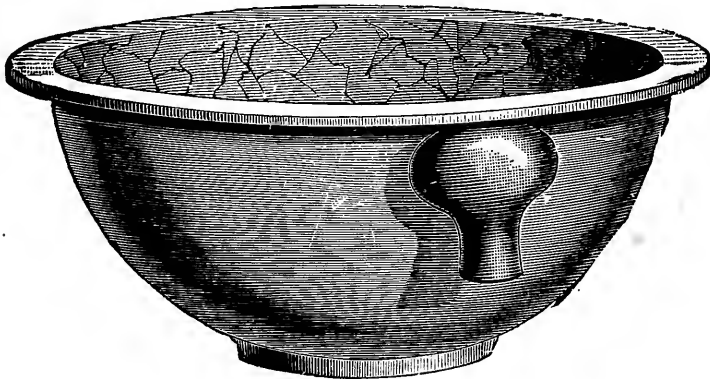


FIG. A-399.

Outside Diameter ----- Inches	12	13	14	15	16	14x17	15x19	16x21
Price, Round ----- Each	1.00	1.00	1.00	1.50	2.00			
Price, Oval ----- Each						2.50	3.50	4.50



EARTHENWARE BASINS

PATENT OVERFLOW

METAL PLUG

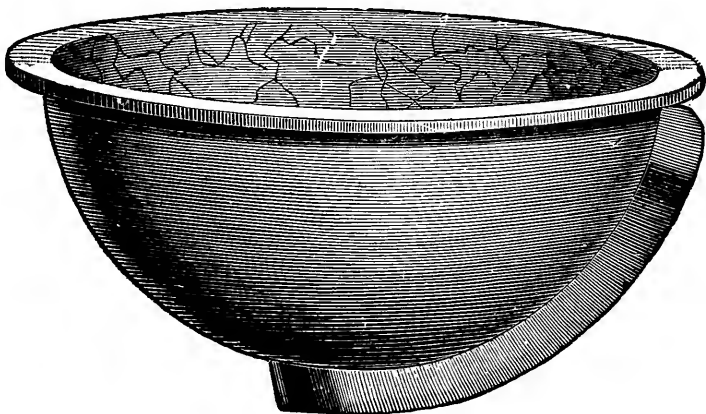


FIG. A-400.

Outside Diameter.....Inches	12	13	14	15	16	14 x 17	15 x 19	16 x 21
Price, Round.....Each	1.25	1.25	1.25	2.00	2.50			
Price, Oval.....Each						3.00	4.00	5.00

PATENT OVERFLOW

RUBBER PLUG

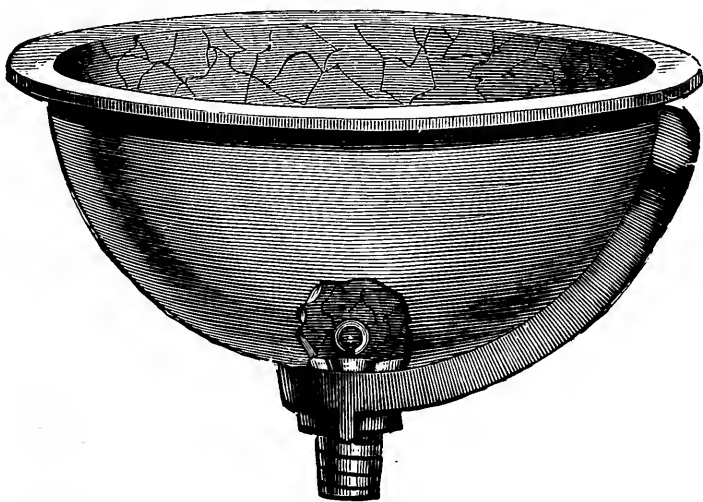


FIG. A-401.

Outside Diameter.....Inches	12	13	14	15	16	14 x 17	15 x 19	16 x 21
Price, Round.....Each	1.50	1.50	1.50	2.50	3.00			
Price, Oval.....Each						3.50	4.50	5.50

STANDARD AMERICAN SANITARY EARTHENWARE

REVISED PRICE LIST  
ADOPTED JULY 17, 1899

ROUND BASINS

Size .....	Inches	12	13	14	15	16
N. O. ....	Each	1.00	1.00	1.00	1.50	2.00
C. O. ....	Each	1.00	1.00	1.00	1.50	2.00
P. O. ....	Each	1 25	1.25	1.25	2.00	2.50
R. P. ....	Each	1.50	1.50	1.50	2.50	3.00

OVAL BASINS

Size .....	Inches	14 x 17	15 x 19	16 x 21
N. O. ....	Each	2.50	3.50	4.50
C. O. ....	Each	2.50	3.50	4.50
P. O. ....	Each	3.00	4.00	5.00
R. P. ....	Each	3.50	4.50	5.50

SQUARE BASINS

Size .....	Inches	14 x 17	15 x 19
N. O. ....	Each	5 00	6.00
C. O. ....	Each	5.00	6.00
P. O. ....	Each	5.50	6.50
R. P. ....	Each	6 00	7.00

ROUND STRAIGHT BACK BASINS

Size .....	Inches	14	15	16
N. O. ....	Each	3.50	4.00	4.75
P. O. ....	Each	4.00	4.50	5.25

OVAL STRAIGHT BACK BASINS

Size .....	Inches	14 x 17	15 x 19
N. O. ....	Each	4.50	5.50
P. O. ....	Each	5.00	6.00

ROUND RECESS BASINS

Size .....	Inches	14	15	16
N. O. ....	Each	4.50	5.00	5.50
P. O. ....	Each	5 00	5.50	6.00

OVAL RECESS BASINS

Size .....	Inches	14 x 17	15 x 19
N. O. ....	Each	5.00	6.00
P. O. ....	Each	5.50	6.50

Add to list for Embossing..... 1.00  
Grinding Round Basins ..... 10 cts. net extra  
Grinding Oval Basins..... 15 cts. net extra

BEDFORDSHIRE URINALS

No. 1—Flat .....	8.00
No. 2—Flat .....	6.00
No. 3—Flat .....	5.00
No. 1—Corner .....	8.00
No. 2—Corner .....	6.00
No. 3—Corner .....	5.00
No. 1—Flat, with Lip .....	10.00
No. 2—Flat, with Lip .....	8.00
No. 3—Flat, with Lip .....	7.00
No. 1—Corner, with Lip .....	10.00
No. 2—Corner, with Lip .....	8.00
No. 3—Corner, with Lip .....	7.00
No. 1—Flat, Lipped, Hood and Vent. ....	12.00
No. 2—Flat, Lipped, Hood and Vent. ....	10.00
No. 1—Corner, Lipped, Hood and Vent .....	12 00
No. 2—Corner, Lipped, Hood and Vent .....	10.00
Grinding Urinals .....	15 cts. net extra

TALL HOPPERS

Round, Tall F. R. Hoppers .....	5.00
Round, Tall F. R. Hoppers .....with Seat Vent	5.25
Round, Tall F. R. Hoppers .....with Hub Vent	5.50
Oval, Tall F. R. Hoppers .....	6.50
Oval, Tall F. R. Hoppers .....with Seat Vent	6.75
Oval, Tall F. R. Hoppers .....with Hub Vent	7.00
Square, Tall F. R. Hoppers, 14 x 14 .....	8.00
Square, Tall F. R. Hoppers .....with Seat Vent	8 25
Square, Tall F. R. Hoppers .....with Hub Vent	8 50
Square, Long F. R. Hoppers, 16 x 16 .....	12.00
Philadelphia Hoppers .....	4.50

SHORT HOPPERS

Round, Short F. R. Hoppers .....	2 50
Round, Short F. R. Hoppers .....with Seat Vent	2.75
Oval, Short F. R. Hoppers .....	3 50
Oval, Short F. R. Hoppers .....with Seat Vent	3.75
Square, Short F. R. Hoppers .....	5.00
Square, Short F. R. Hoppers ...with Seat Vent	5.25

COMBINATION HOPPERS AND TRAPS

Oval, Short Hopper & Trap Combined ---Plain	8.00
Oval, Short Hopper & Trap Combined ----Emb.	9.00
Square, Short Hopper & Trap Combined.Plain	9.50
Square, Short Hopper & Trap Combined--Emb.	10.50
Syphon Action Hopper & Trap .....	Plain 8.50
Syphon Action Hopper & Trap .....	Emb. 9.50
Syphon Hopper, with Jet .....	Plain 10.00
Syphon Hopper, with Jet .....	Emb. 11.00

METAL COUPLINGS

	PLAIN	POLISHED	NICKELED
½-Inch .....	.65	1.15	1.90
¾-Inch .....	.65	1.15	1.90
1 -Inch .....	.75	1.15	1.90
1¼-Inch .....	.75	1.25	2.00
1½-Inch .....	1.00	1.50	2.25
2 -Inch .....	1.40	1.90	2.60
1¼-Inch, Slip Joint .....			1.00
1½-Inch, Slip Joint .....			1.25
2 -Inch, Slip Joint .....			1.50
Hopper Clamps .....			.25

NOTE—Spuds and Jamb Nuts, ½ above prices.



# STANDARD AMERICAN SANITARY EARTHENWARE

REVISED PRICE LIST

ADOPTED JULY 17, 1899

## CLOSET BOWLS AND SUNDRIES

Round French Closet Bowls .....	2.25
Oval Closet Bowls .....	2.50
Round, F. R. Closet Bowls .....	2.50
Round, F. R. Closet Bowls .....with Seat Vent	2.75
Oval, F. R. Closet Bowls .....	3.25
Oval, F. R. Closet Bowls .....with Seat Vent	3.50
Ship Closet Basins, Nos. 1 and 2 .....	2.00
Ship Plug Basins, 13 and 14-inch .....	1.50
Bidet Pans for Brass Plug .....	4.00
Bidet Pans for Brass Plug .....with Overflow	4.25
Bidet Pans for Brass Plug .....No Holes	4.00
Traps .....	3.00
Drip Trays, Oval and Round .....	3.50
Floats, Small (under 7 inches) .....	.60
Floats, Large (over 7 inches) .....	.80

## WASHOUT CLOSETS, PLAIN

No. 1, Oval, Front Outlet .....	13.25
No. 2, Oval, Front Outlet .....	10.25
No. 3, Oval, Front or Back Outlet .....	8.00
No. 1, Oval, Back Outlet .....	14.00
No. 2, Oval, Back Outlet .....	11.00
Square, Front Outlet .....	17.00
Square, Back Outlet .....	18.00
No. 1, Square Back, Front Outlet .....	15.00
No. 2, Square Back, Front Outlet .....	13.00
No. 1, Square Back, Back Outlet .....	16.00
No. 2, Square Back, Back Outlet .....	14.00

## WASHOUT CLOSETS, EMBOSSED

No. 1, Oval, Front Outlet .....	14.25
No. 2, Oval, Front Outlet .....	11.25
No. 3, Oval, Front or Back Outlet .....	9.00
No. 1, Oval, Back Outlet .....	15.00
No. 2, Oval, Back Outlet .....	12.00
Square, Front Outlet .....	18.00
Square, Back Outlet .....	19.00
No. 1, Square Back, Front Outlet .....	16.00
No. 2, Square Back, Front Outlet .....	14.00
No. 1, Square Back, Back Outlet .....	17.00
No. 2, Square Back, Back Outlet .....	15.00

## PEDESTAL CLOSETS, PLAIN

No. 1, Oval, Front Outlet .....	14.25
No. 2, Oval, Front Outlet .....	11.25
No. 3, Oval, Front Outlet .....	9.00
Square, Front Outlet .....	18.00
Square, Back Outlet .....	19.00
No. 1, Square Back, Front Outlet .....	16.00
No. 2, Square Back, Front Outlet .....	14.00
No. 1, Square Back, Back Outlet .....	17.00
No. 2, Square Back, Back Outlet .....	15.00

## PEDESTAL CLOSETS, EMBOSSED

No. 1, Oval, Front Outlet .....	15.25
No. 2, Oval, Front Outlet .....	12.25
No. 3, Oval, Front Outlet .....	10.00
Square, Front Outlet .....	19.00
Square, Back Outlet .....	20.00
No. 1, Square Back, Front Outlet .....	17.00
No. 2, Square Back, Front Outlet .....	15.00
No. 1, Square Back, Back Outlet .....	18.00
No. 2, Square Back, Back Outlet .....	16.00

## SYPHON JET CLOSETS, PLAIN

No. 1, Oval .....	22.00
No. 2, Oval (Staple) .....	17.00
No. 1, Square Back .....	24.00
No. 2, Square Back .....	22.00
No. 1, Square .....	24.00
No. 2, Square .....	23.00

## SYPHON JET CLOSETS, EMBOSSED

No. 1, Oval .....	23.00
No. 2, Oval (Staple) .....	18.00
No. 1, Square Back .....	25.00
No. 2, Square Back .....	23.00
No. 1, Square .....	25.00
No. 2, Square .....	24.00

NOTE—An extra net charge for Seat Attachments.

## METAL COUPLINGS

	PLAIN	POLISHED	NICKELED
$\frac{1}{8}$ -Inch .....	.65	1.15	1.90
$\frac{3}{8}$ -Inch .....	.65	1.15	1.90
1 -Inch .....	.65	1.15	1.90
1 $\frac{1}{4}$ -Inch .....	.75	1.25	2.00
1 $\frac{1}{2}$ -Inch .....	1.00	1.50	2.25
2 -Inch .....	1.40	1.90	2.60
1 $\frac{1}{4}$ -Inch, Slip Joint .....			1.00
1 $\frac{1}{2}$ -Inch, Slip Joint .....			1.25
2 -Inch, Slip Joint .....			1.50
Hopper Clamps .....			.25

NOTE—Spuds and Jamb Nuts,  $\frac{1}{2}$  above prices.

CLOSET SEATS

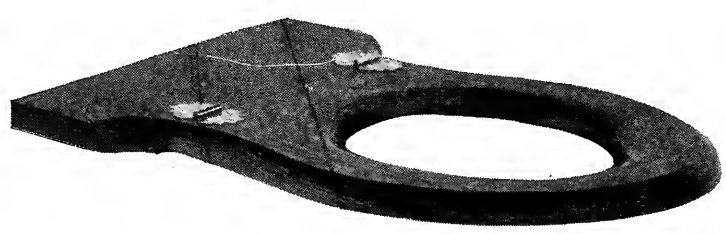


FIG. A-402.

1¼-inches thick .....	Each 3.50
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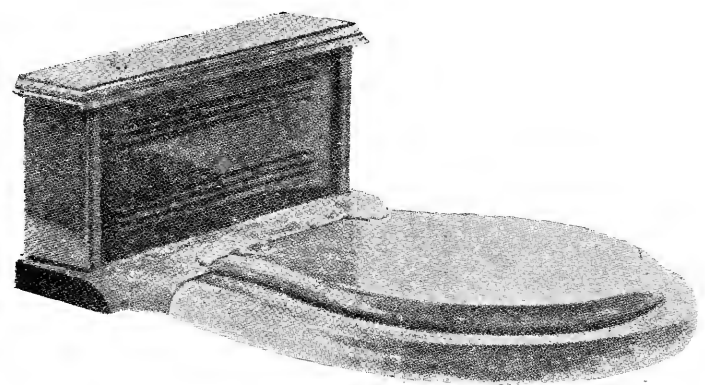


FIG. A-403.

1¼-inch thick, with Cover and Beaded Back .....	Each 6.50
Covers only .....	Each 1.50
Backs only .....	Each 1.50

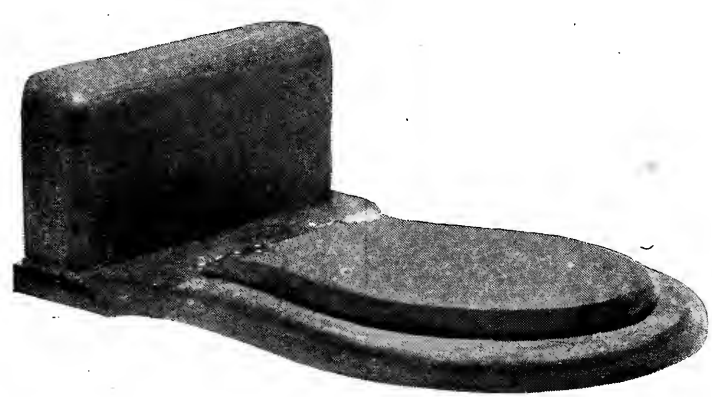


FIG. A-404.

1¼-inch thick, with Cover and Round Corner Back .....	Each 6.75
Covers only .....	Each 1.50
Backs only .....	Each 1.75

NOTE—Seats can be furnished in Oak, Ash or Birch finished in imitation of Light or Dark Cherry. Oak will always be sent unless otherwise ordered.

CLOSET SEATS

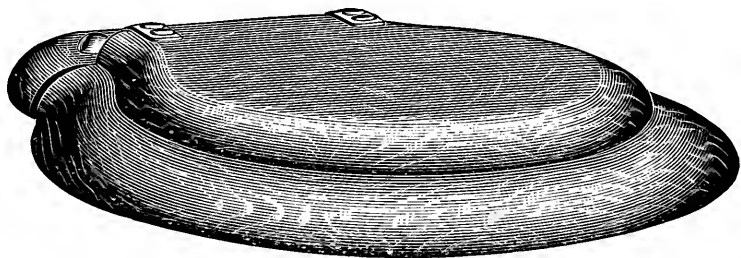


FIG. A-405.

1¼-inch thick, with Cover. ....	Each 7.00
Covers only.....	Each 1.50

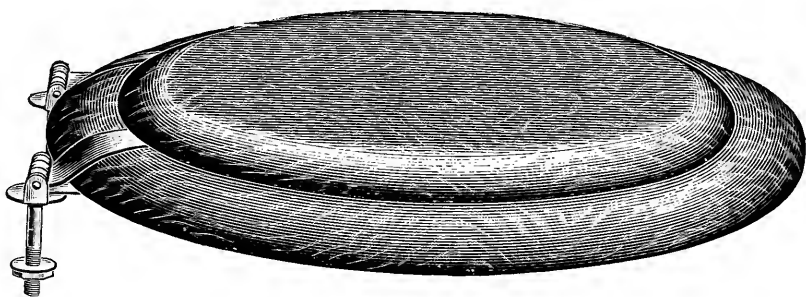


FIG. A-406.

1¼-inch thick, with Cover. ....	Each 8.00
Covers only.....	Each 1.75

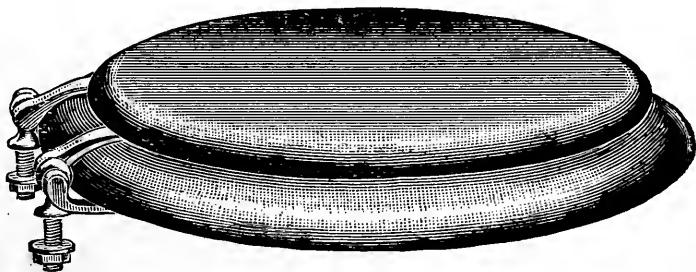


FIG. A-407.

1¼-inch thick, with Cover. ....	Each 9.00
Covers only.....	Each 2.00

NOTE—Seats can be furnished in Oak, Ash, or Birch finished in imitation of Light or Dark Cherry. Oak will always be sent unless otherwise ordered.

PLAIN SQUARE CORNER CLOSET TANK

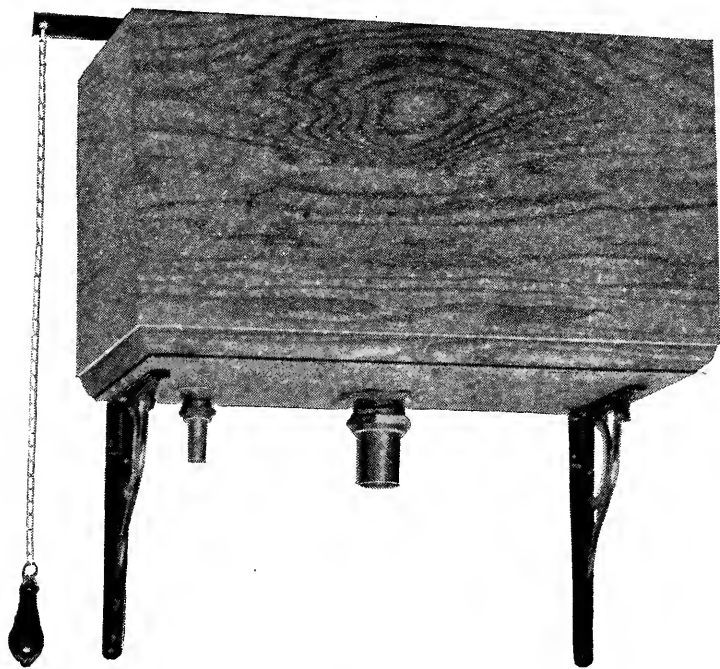


FIG. A-408.

DESCRIPTION—5½-gallon, Plain Square Corner, Copper Lined, Oil Finish, Oak Closet Tank. Complete with 1½-inch “Success” or “Goose Neck” Syphon Valve. Ball Cock, Lever, Nickel-plated Chain with Pull, and Japanned Brackets.

Price, as described	8.80
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NOTE—Tanks can be furnished with Lead Lining when desired.

BEADED AND MOULDED CLOSET TANK

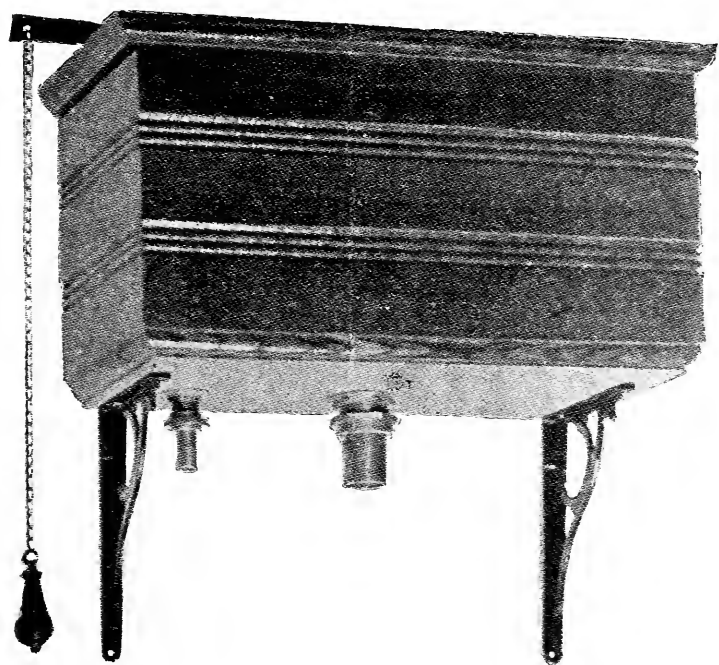


FIG. A-409.

DESCRIPTION—Beaded and Moulded, Copper Lined, Polish Finish, Oak or Ash Closet Tank. Complete with “Success” or “Goose Neck” Syphon Valve. Ball Cock, Lever, Nickel-plated Chain with Pull, Nickel-plated Trimmings and Brackets.

Price, 5½-gallon, with 1¼-inch Valve-----	10.00
Price, 7½-gallon, with 1¼-inch Valve -----	11.70
Price, 9 -gallon, with 1½-inch Valve-----	12.30

NOTE—Tanks can be furnished with Lead Lining when desired.

PLAIN ROUND CORNER CLOSET TANK

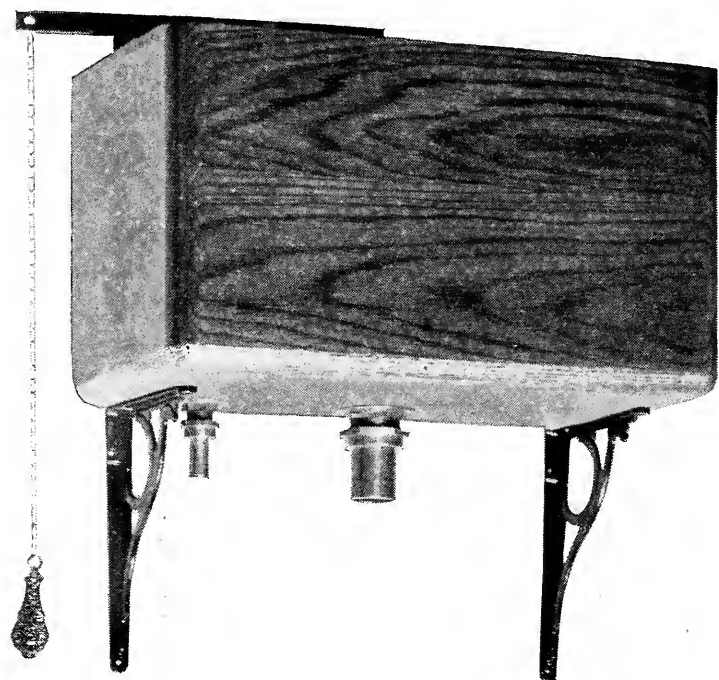


FIG. A-410.

DESCRIPTION—Plain Round Corner, Copper Lined, Polish Finish, Oak or Ash Closet Tank, complete with “Success” or “Goose Neck” Syphon Valve. Ball Cock, Lever, Nickel-plated Chain with Pull, Nickel-plated Trimmings and Brackets.

Price, 5½-gallon, with 1¼-inch Valve .. - - - - -	10.30
Price, 7½-gallon, with 1¼-inch Valve .. - - - - -	12.00
Price, 9 -gallon, with 1½-inch Valve .. - - - - -	13.30

NOTE—Tanks can be furnished with Lead Lining when desired.

## ROUND CORNER CLOSET TANK

WITH MOULDING

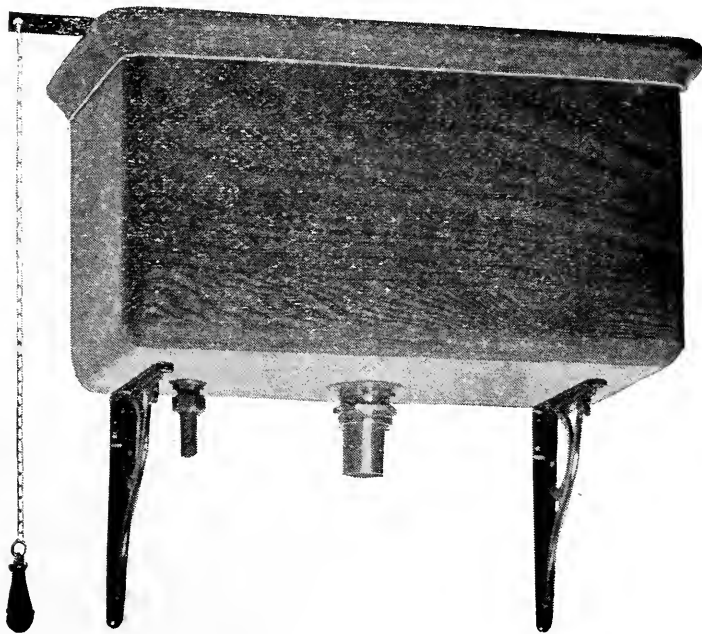


FIG. A-411.

DESCRIPTION—Round Corner, Copper Lined, Polish Finish, Oak or Ash Closet Tank. Complete with "Success" or "Goose Neck" Syphon Valve. Ball Cock, Lever, Nickel-plated Chain with Pull, Nickel-plated Trimmings and Brackets.

Price, 5½-gallon, with 1¼-inch Valve .....	10.60
Price, 7½-gallon, with 1¼-inch Valve .....	12.60
Price, 9 -gallon, with 1½-inch Valve ....	14.00

NOTE—Tanks can be furnished with Lead Lining when desired.

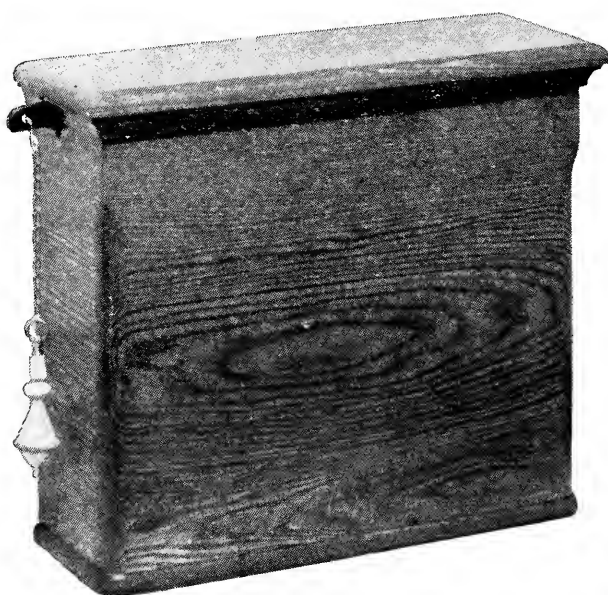
**ROUND CORNER LOW DOWN CLOSET TANK****WITH MOULDING**

FIG. A-412.

DESCRIPTION—Round Corner, Copper Lined, Polish Finish, Oak or Ash. Closet Tank with Moulding. Complete with "Orient" Flush Valve. Ball Cock, Lever, Nickel-plated Chain with Pull, Nickel-plated (2-inch) Flush Connection, Nickel-plated Supply Pipe and Nickel-plated Tank Lugs.

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Price, as described.....	22.80
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OPEN LAVATORY

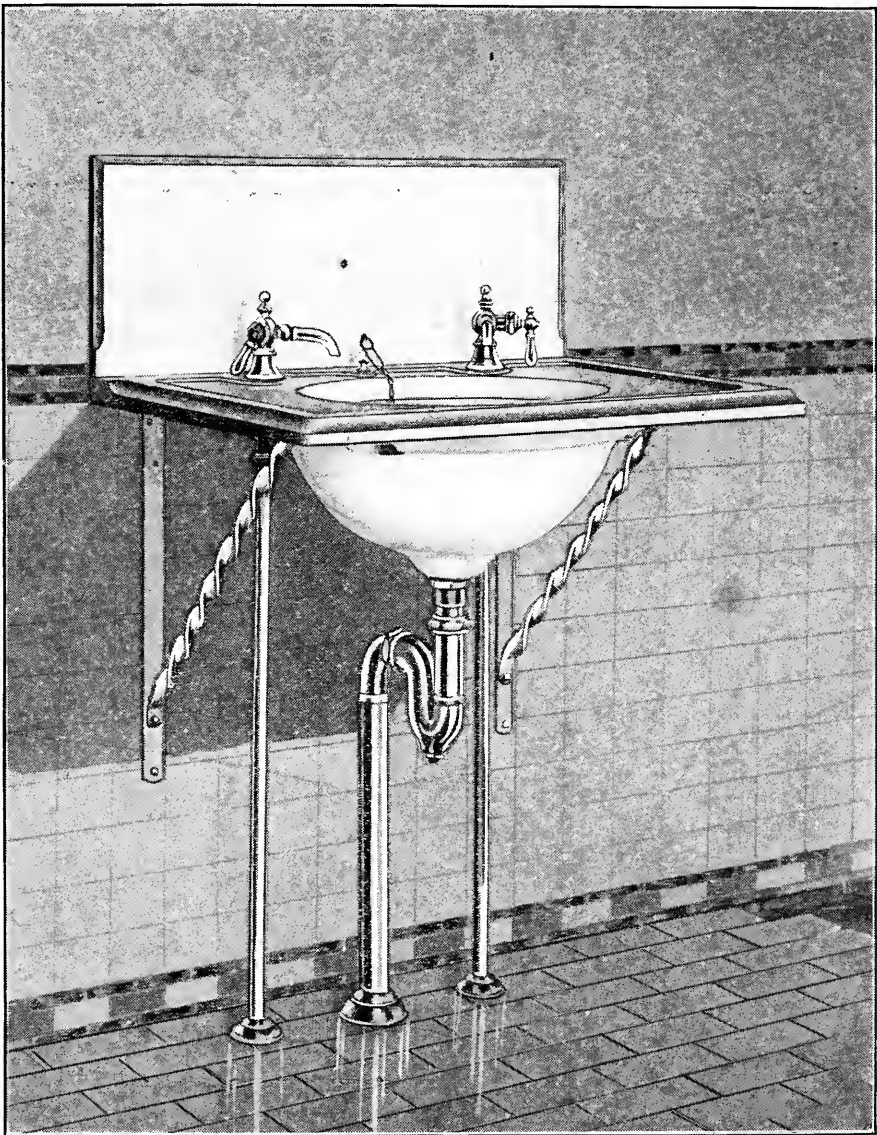


FIG. A-413.

DESCRIPTION—Italian or Tennessee Countersunk Marble Slab 20x24x1¼ inches, with 10-inch Back. 14-inch Round Patent Overflow Bowl with Clamps, Nickel-plated 1¼-inch “S” Trap. Nickel-plated Supply Pipes. Two Nickel-plated No. 0 or No. 1, Fuller Basin Cocks, Nickel-plated Plug and Stopper. Nickel-plated Chain and Chain Stay. Nickel-plated Brackets and Floor Flanges.

20x24 Slab, as described .....	26.00
20x26 Slab, Balance as above .....	27.00
20x30 Slab, Balance as above .....	29.00
20x26 Slab, 14x17 Patent Overflow Bowl, Balance as above.....	29.00
20x30 Slab, 14x17 Patent Overflow Bowl, Balance as above.....	31.00

NOTE—Can be furnished with Trap and Supplies to Wall for same price.

## OPEN LAVATORY

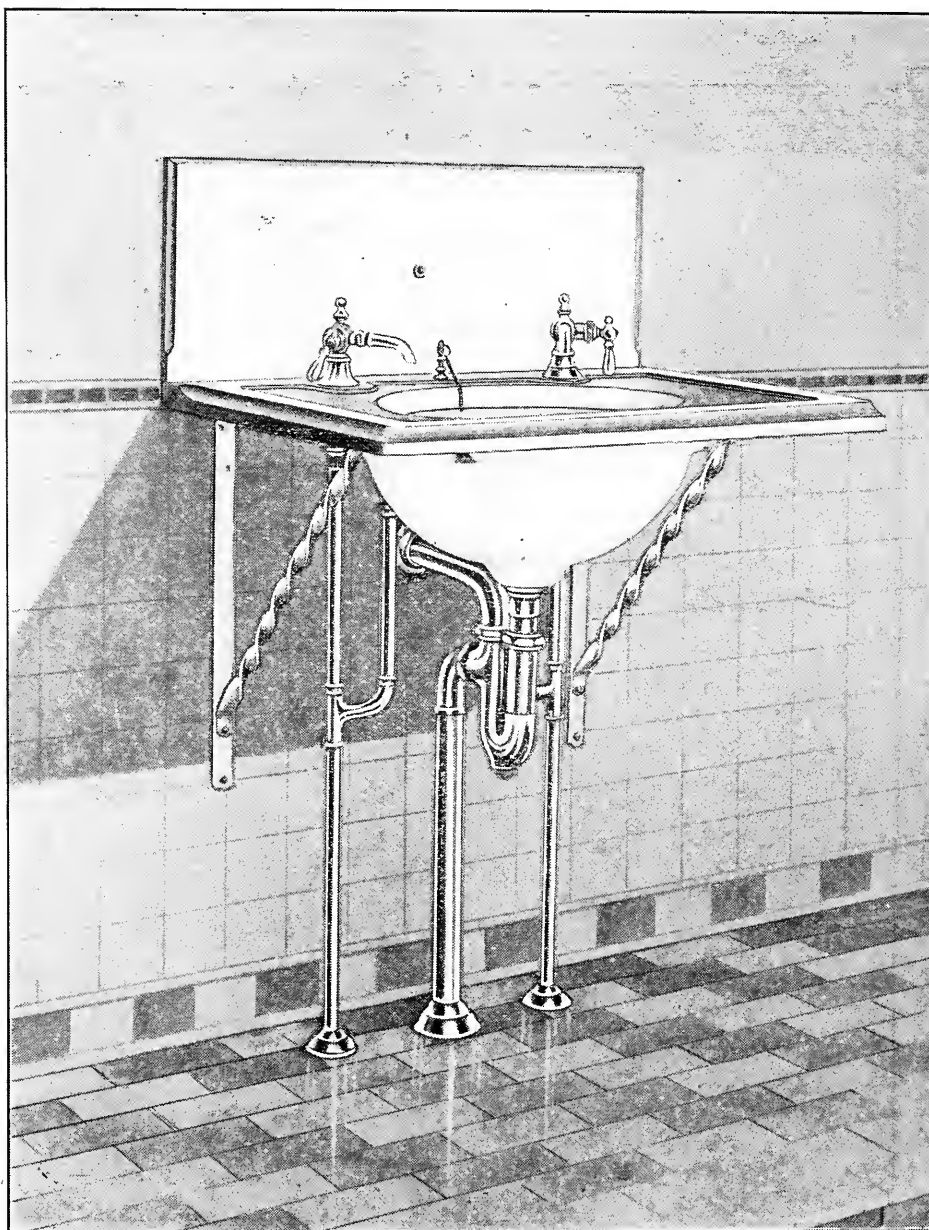


FIG. A-414.

DESCRIPTION—Italian or Tennessee Countersunk Marble Slab 20x24x1¼ inches, with 10-inch Back. 14-inch Round Patent Overflow Bowl with Clamps, Nickel-plated 1¼-inch Vented "S" Trap. Two No. 0, or No. 1, Nickel-plated Fuller Basin Cocks, Nickel-plated Supply Pipes with Air Chambers. Nickel-plated Plug and Stopper. Nickel-plated Chain and Chain Stay. Nickel-plated Brackets and Floor Flanges.

20x24 Slab, as described	29.00
20x26 Slab, balance as above	30.00
20x30 Slab, balance as above	32.00
20x26 Slab, 14x17 Patent Overflow Bowl, balance as above	32.00
20x30 Slab, 14x17 Patent Overflow Bowl, balance as above	34.00

NOTE—Above can be furnished with Trap and Supplies to Wall for same price.

OPEN LAVATORY

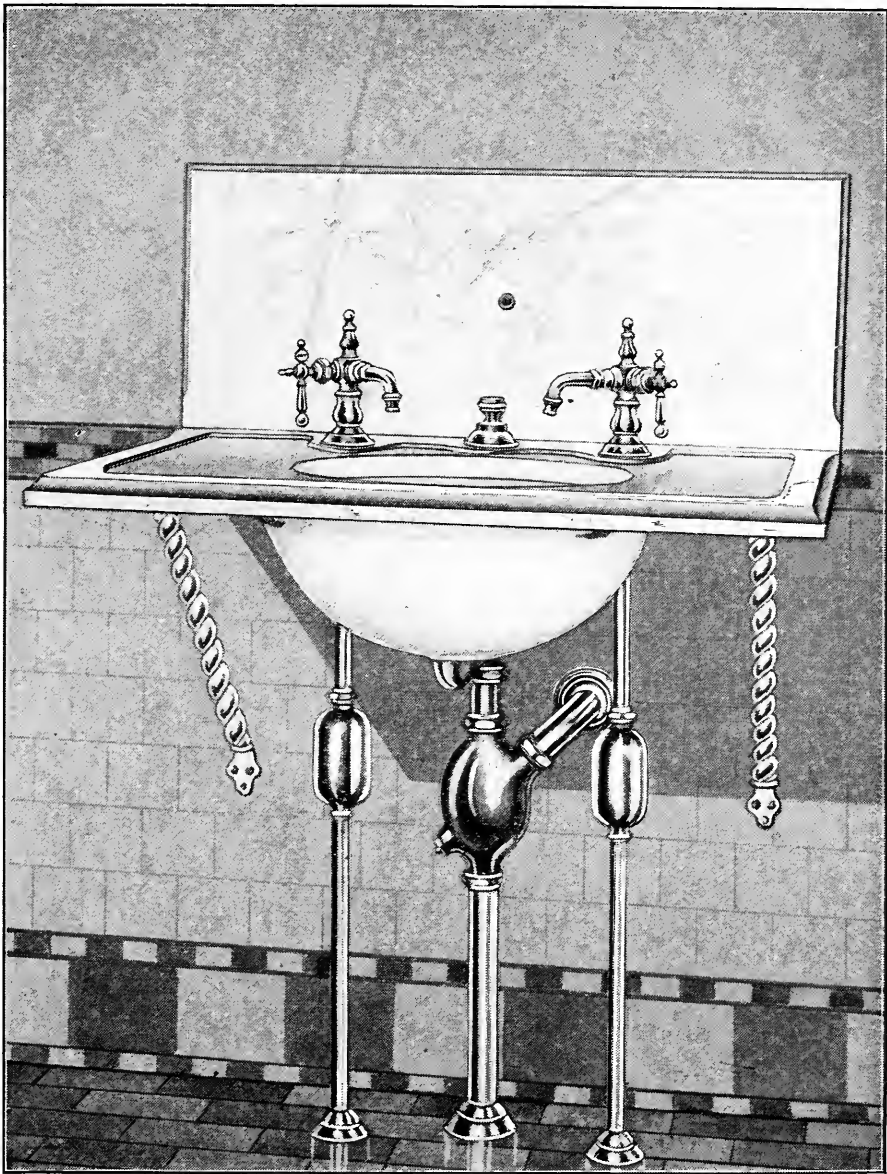


FIG. A—415.

DESCRIPTION—Italian or Tennessee Countersunk Marble Slab 22x30x1¼ inches, with 12-inch Back. 14x17-inch Oval Bowl with Clamps. Nickel-plated “Ideal” Waste and Overflow. Nickel-plated 1¼-inch Vented Bottle Trap. Nickel-plated Supply Pipes with Bottle Air Chambers. Two Nickel-plated No. 4 Fuller Basin Cocks, Nickel-plated Brass (Rope Pattern) Brackets, and Floor Flanges.

22x30 Slab, as described .....	50.00
22x32 Slab, 15x19 Bowl, balance as above .....	52.00

NOTE—Above can be furnished with Trap and Supplies to Wall for same price.

HALF CIRCLE OPEN LAVATORY

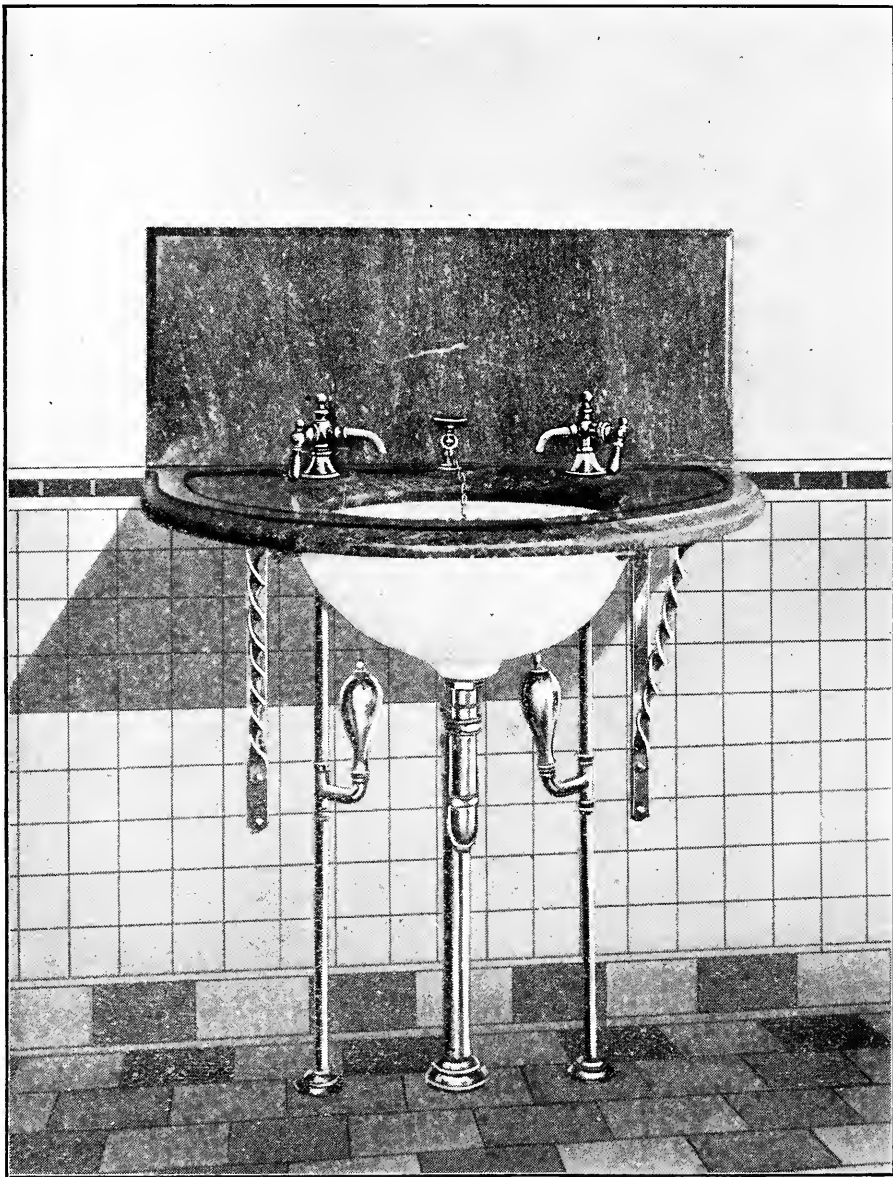


FIG. A-416.

DESCRIPTION—Italian or Tennessee Countersunk Eliptic Front Marble Slab, 20x30x1¼ inches, with 12-inch Back. 14x17-inch Oval Bowl with Clamps. Nickel-plated 1¼-inch Vented Trap. Nickel-plated Supply Pipes with Offset Bottle Air Chambers. Two Nickel-plated No. 0, or No. 1, Fuller Basin Cocks, Nickel-plated Plug and Stopper. Nickel-plated Chain and Chain Stay with Ring Cup. Nickel-plated Brackets and Floor Flanges.

20x30 Slab, as described.....	34.00
20x26 Slab, 10-inch Back, 14-inch Round Patent Overflow Bowl.....	32.00
22x30 Slab, 12-inch Back, 14x17-inch Oval Bowl and "Ideal" Waste and Overflow.....	48.00

NOTE—Above can be furnished with Trap and Supplies to Wall if desired.

OPEN LAVATORY

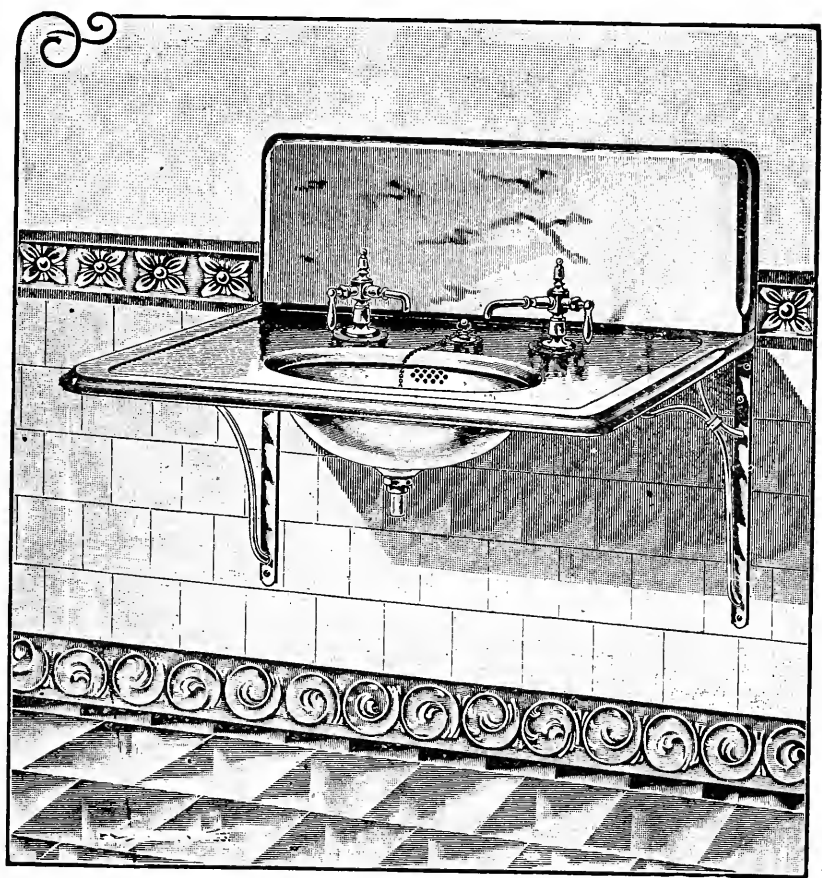


FIG. A-417.

DESCRIPTION—Italian or Tennessee Countersunk Marble Slab 20x24x1¼ inches, with 10-inch Back. 14-inch Round Patent Overflow Bowl with Clamps, Nickel-plated Plug and Stopper. Nickel-plated Chain and Chain Stay. Two Nickel-plated No. 0, or No. 1, Fuller Basin Cocks, and Nickel-plated Steel Brackets.

20x24 Slab, as described .....	18.00
20x26 Slab, balance as above .....	19.00
20x30 Slab, balance as above .....	21.00
20x26 Slab, 14x17 Patent Overflow Bowl, balance as above .....	21.00
20x30 Slab, 14x17 Patent Overflow Bowl, balance as above .....	23.00



## OPEN LAVATORY

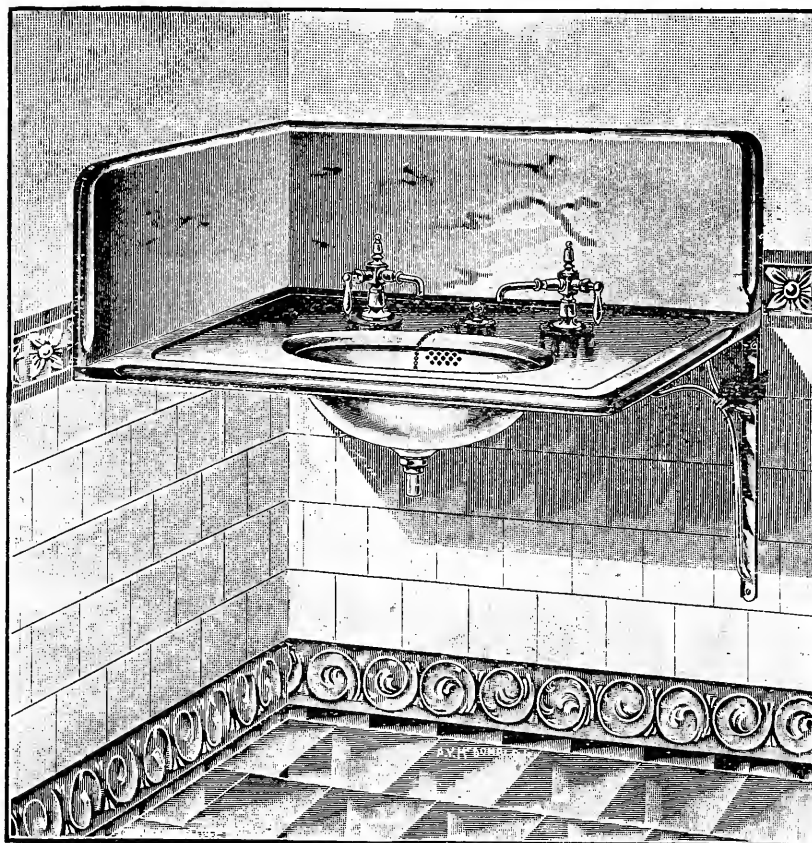


FIG. A-418.

DESCRIPTION—Italian or Tennessee Countersunk Marble Slab 20x24x1¼ inches, with 8-inch Back and End. 14-inch Round Patent Overflow Bowl with Clamps. Nickel-plated Plug and Stopper. Nickel-plated Chain and Chain Stay. Two No. 0, or No. 1, Nickel-plated Fuller Basin Cocks and Nickel-plated Bracket.

Price, as described-----	19.00
Price, with 10-inch Back and End-----	20.00

NOTE—Above can be furnished with Right or Left Hand End. Please state which is wanted.

OPEN CORNER LAVATORY

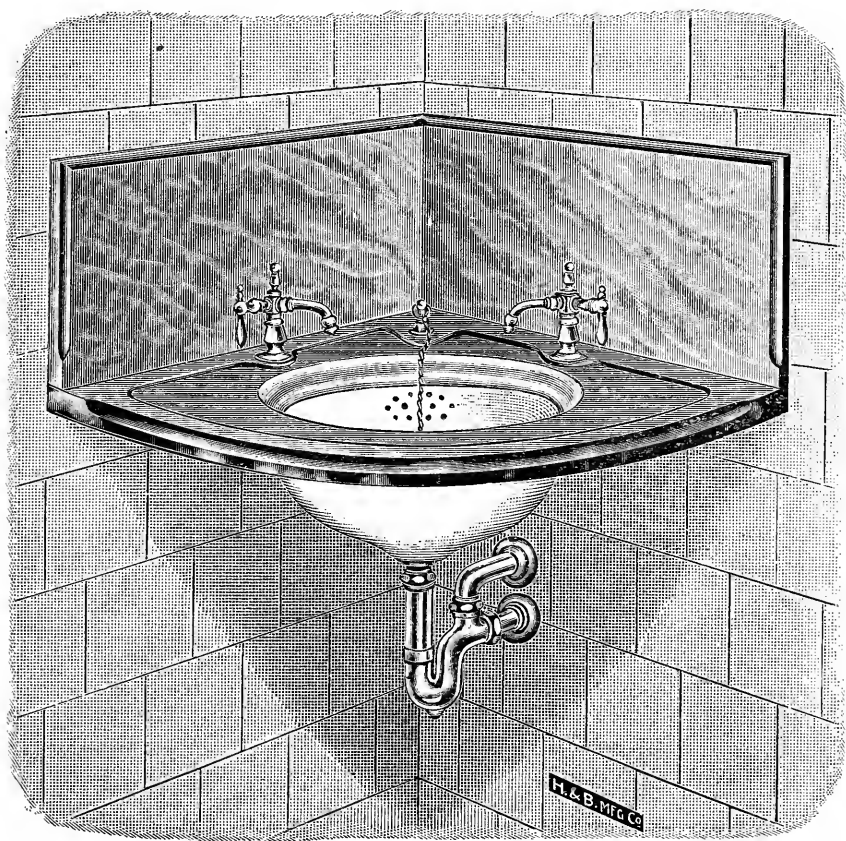


FIG. A-419.

DESCRIPTION—Italian or Tennessee Countersunk Corner Marble Slab 20x20x1¼ inches, with 10-inch Backs. 14-inch Round Patent Overflow Bowl with Clamps. Nickel-plated 1¼-inch Vented Trap. Nickel-plated Plug and Stopper. Two, No. 0, or No. 1, Nickel-plated Fuller Basin Cocks. Nickel-plated Chain and Chain Stay.

20x20 Slab, as described .....	24.00
19x19 Slab, balance as above .....	23.00
22x22 Slab, balance as above .....	26.00

NOTE—For price on Supply Pipes, see pages 52 and 53. Can be furnished with Trap, either to Floor or Wall.

DRINKING FOUNTAIN

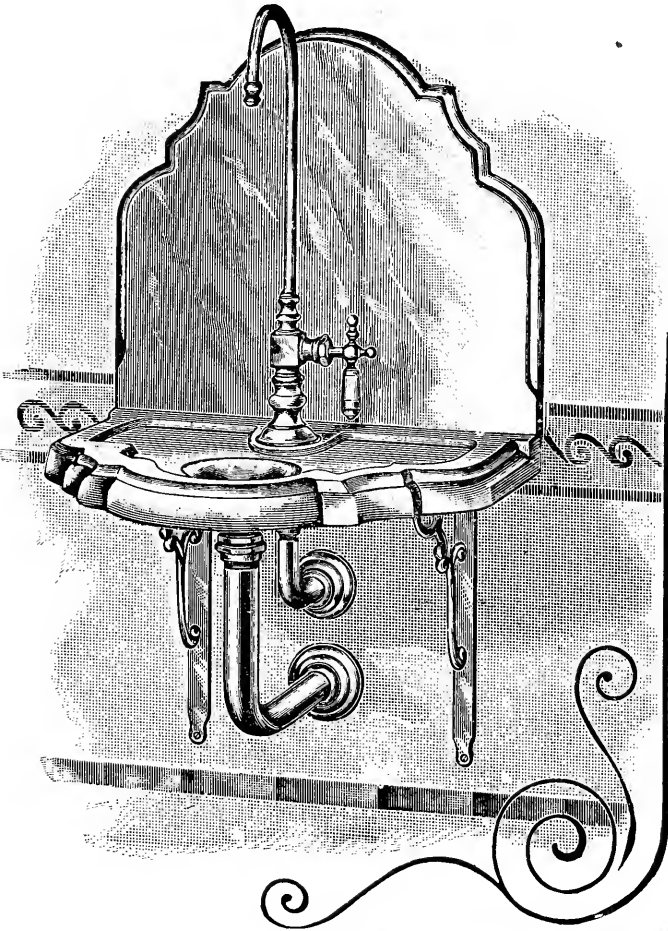


FIG. A-420.

DESCRIPTION—Italian or Tennessee Countersunk Marble Slab with Back. Nickel-plated No. 2, Fuller Pantry Cock. Nickel-plated Drip Cup. Nickel-plated Supply and Waste Pipes, and Nickel-plated Brackets.

Price, 12x12 Slab, 12-inch Back .....	16.00
Price, 14x14 Slab, 12-inch Back ---	17.00
Price, 16x14 Slab, 14-inch Back .....	18.00
Price, 18x14 Slab, 14-inch Back ---	19.00



MARBLE SLABS

SLAB WITH SINGLE BACK

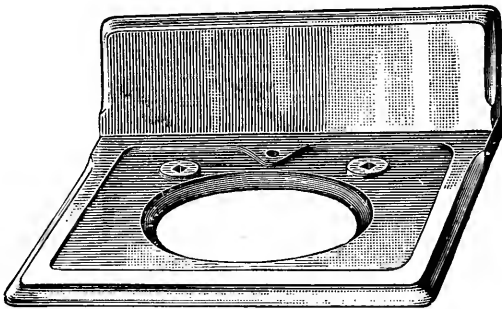


FIG. A-421.

SINGLE BACK SLABS

Size of Slab.....Inches	19 x 24	20 x 24	20 x 25	20 x 28	20 x 30	22 x 28	22 x 30
Feet in Slab, 8-inch Back..	5 ft. 3 in.	5 ft. 6 in.	5 ft. 10 in.	6 ft. 4 in.	6 ft. 8 in.	6 ft. 9 in.	7 ft. 1 in.
Feet in Slab, 10-inch Back..	5 ft. 7 in.	5 ft. 10 in.	6 ft. 3 in.	6 ft. 9 in.	7 ft. 2 in.	7 ft. 2 in.	7 ft. 6 in.
Feet in Slab, 12-inch Back..	6 ft.	6 ft. 2 in.	6 ft. 8 in.	7 ft. 2 in.	7 ft. 7 in.	7 ft. 7 in.	8 ft.

CORNER SLAB WITH TWO BACKS

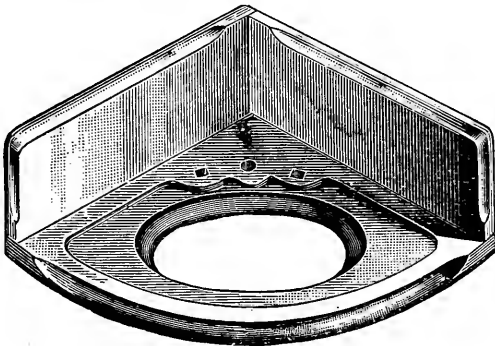


FIG. A-422.

CORNER SLABS

Size of Slab.....Inches	18 x 18	19 x 19	20 x 20	21 x 21	22 x 22	24 x 24
Feet in Slab, 8-inch Backs.....	4 ft. 11 in.	5 ft. 4 in.	5 ft. 9 in.	6 ft. 2 in.	6 ft. 7 in.	7 ft. 6 in.
Feet in Slab, 10-inch Backs.....	5 ft. 5 in.	5 ft. 10 in.	6 ft. 4 in.	6 ft. 9 in.	7 ft. 3 in.	8 ft. 2 in.
Feet in Slab, 12-inch Backs.....	6 ft.	6 ft. 5 in.	6 ft. 11 in.	7 ft. 4 in.	7 ft. 11 in.	8 ft. 11 in.

SLAB WITH BACK AND RIGHT OR LEFT HAND END

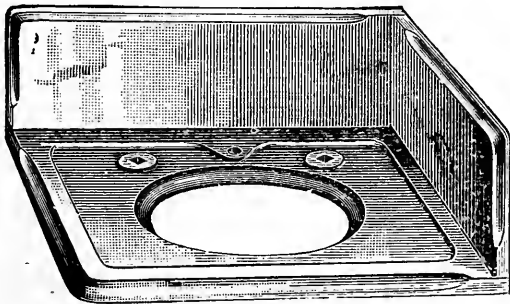


FIG. A-423.

RIGHT OR LEFT HAND END SLABS

Size of Slab .....Inches	19 x 24	20 x 24	20 x 26	20 x 28	20 x 30	22 x 28	22 x 30
Feet in Slab, 8-inch Backs	6 ft. 4 in.	6 ft. 7 in.	7 ft.	7 ft. 5 in.	7 ft. 10 in.	7 ft. 11 in.	8 ft. 3 in.
Feet in Slab, 10-inch Backs	6 ft. 11 in.	7 ft. 2 in.	7 ft. 8 in.	8 ft. 1 in.	8 ft. 6 in.	8 ft. 8 in.	9 ft.
Feet in Slab, 12-inch Backs	7 ft. 7 in.	7 ft. 10 in.	8 ft. 4 in.	8 ft. 9 in.	9 ft. 3 in.	9 ft. 4 in.	9 ft. 10 in.

" LEADER "

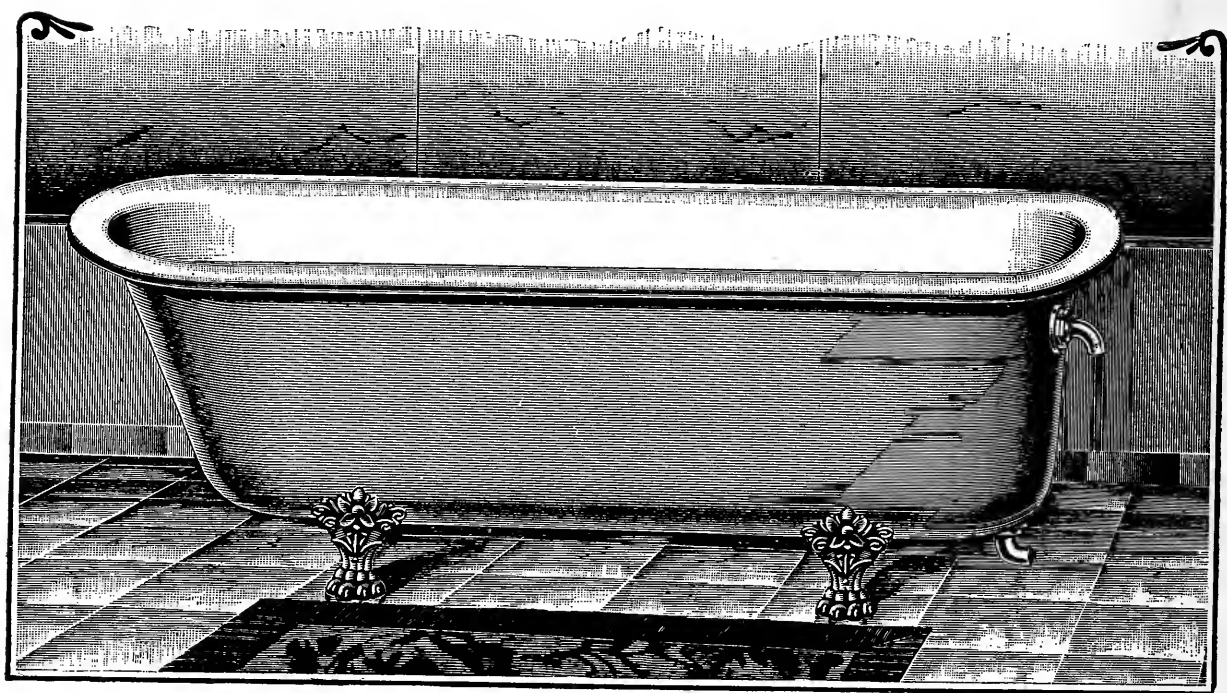


FIG. A-424.

DESCRIPTION—White Enameled "Leader" Bath Tub with 2¼-inch Roll Rim, Brass Overflow Connection with Nickel-plated Grate, Brass Waste Plug and Coupling with Nickel-plated Strainer. Rubber Stopper, and Nickel-plated Chain.

Length over Rim.....	Feet	4	4½	5	5½	6
Width over Rim.....	Inches	29	29	29	29	29
Depth inside.....	Inches	17	17	17	17	17
Height from Floor.....	Inches	23	23	23	23	23
Price as described.....	Each	20.00	29.00	32.00	37.00	43.00

EXTRAS

ADD TO ABOVE LISTS

For No. 4½ Nickel-plated Fuller or Compression Double Bath Cock.....	3.50
For Nickel-plated Supply Pipes,.....	Per Pair 3.00
For Nickel-plated Connected Waste and Overflow.....	3.00
For Nickel-plated "Ideal" Bath Waste.....	9.50

“CORONA”

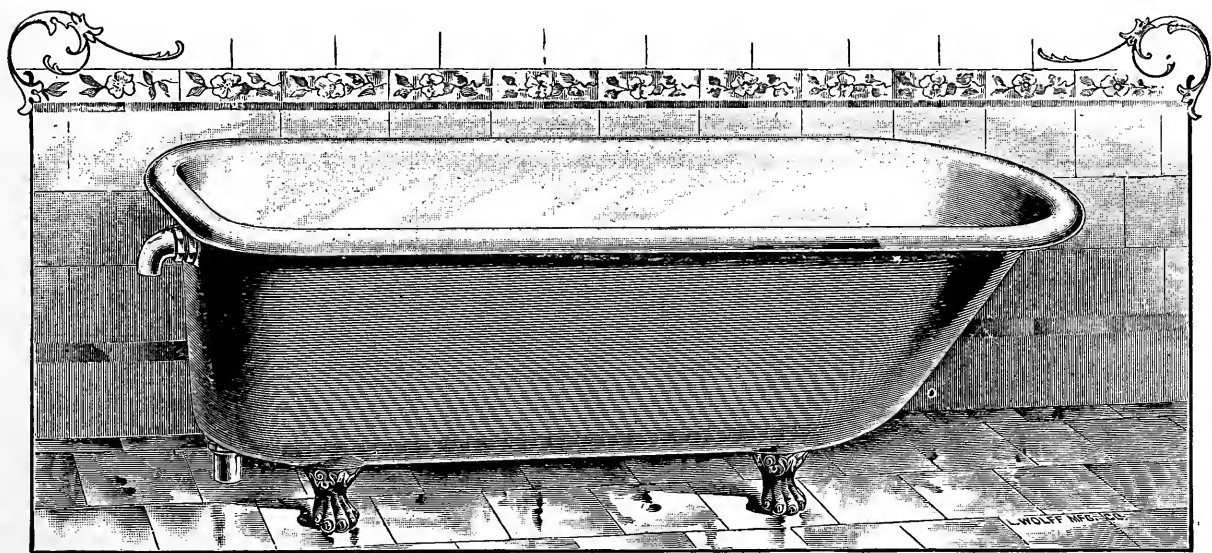


FIG. A-425.

DESCRIPTION—White Enameled “Corona” Bath Tub with 2¾-inch Roll Rim. Brass Overflow Connection with Nickel-plated Grate. Brass Waste Plug and Coupling, with Nickel-plated Strainer. Rubber Stopper and Nickel-plated Chain.

Length over Rim.....	Feet	4	4½	5	5½	
Width over Rim.....	Inches	30½	30½	30½	30½	
Depth inside.....	Inches	17	17	17	17	
Height from Floor.....	Inches	23	23	23	23	
Price as described.....	Each	32.00	32.00	36.00	41.00	

EXTRAS

ADD TO ABOVE LISTS

For No. 4½ Nickel-plated Fuller or Compression Double Bath Cock.....	3.50
For Nickel-plated Supply Pipes.....	Per Pair 3.00
For Nickel-plated Connected Waste and Overflow.....	3.00
For Nickel-plated “Ideal” Bath Waste.....	9.50

“ OCCIDENT ”

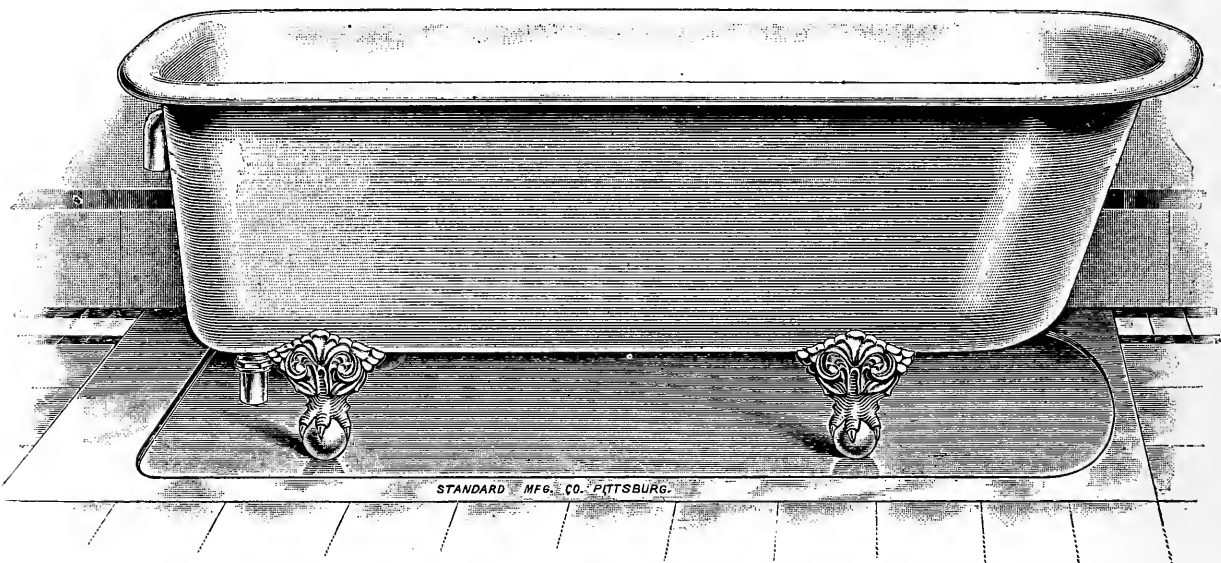


FIG. A-426.

DESCRIPTION—White Enameled “Occident” Bath Tub with 3-inch Roll Rim Brass Overflow Connection with Nickel-plated Grate. Brass Waste Plug and Coupling with Nickel-plated Strainer. Rubber Stopper and Nickel-plated Chain.

Length over Rim .....	Feet	4	4½	5	5½	6
Width over Rim .....	Inches	30	30	30	30	30
Depth inside .....	Inches	17	17	17	17	17
Height from Floor .....	Inches	22	22	22	22	22
Price as described .....	Each	32.00	32.00	36.00	41.00	47.00

EXTRAS

ADD TO ABOVE LISTS

For No. 4½ Nickel-plated Fuller or Compression Double Bath Cock .....	3.50
For Nickel-plated Supply Pipes .....	Per Pair 3.00
For Nickel-plated Connected Waste and Overflow .....	3.00
For Nickel-plated “Ideal” Bath Waste .....	9.50

“ OCCIDENT ”

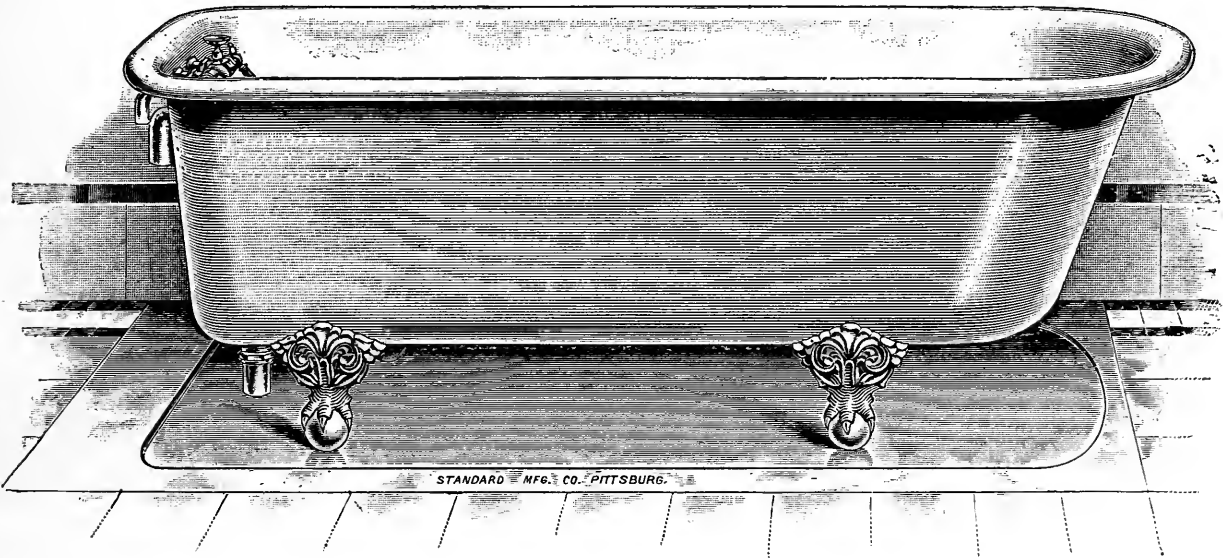


FIG. A-427.

DESCRIPTION—White Enameled “Occident” Bath Tub with 3-inch Roll Rim. Brass Overflow Connection with Nickel-plated Grate. Brass Waste Plug and Coupling with Nickel-plated Strainer. Rubber Stopper, Nickel-plated Chain and No. 4½ Nickel-plated Fuller Double Bath Cock.

Length over Rim.....	Feet	4	4½	5	5½	6
Width over Rim.....	Inches	30	30	30	30	30
Depth inside.....	Inches	17	17	17	17	17
Height from Floor.....	Inches	22	22	22	22	22
Price as described.....	Each	35.50	35.50	39.50	44.50	50.50

EXTRAS

ADD TO ABOVE LISTS

For Nickel-plated Supply Pipes.....	Per Pair	3.00
For Nickel-plated Connected Waste and Overflow.....		3.00
For Nickel-plated “Ideal” Bath Waste.....		9.50

“OCCIDENT”

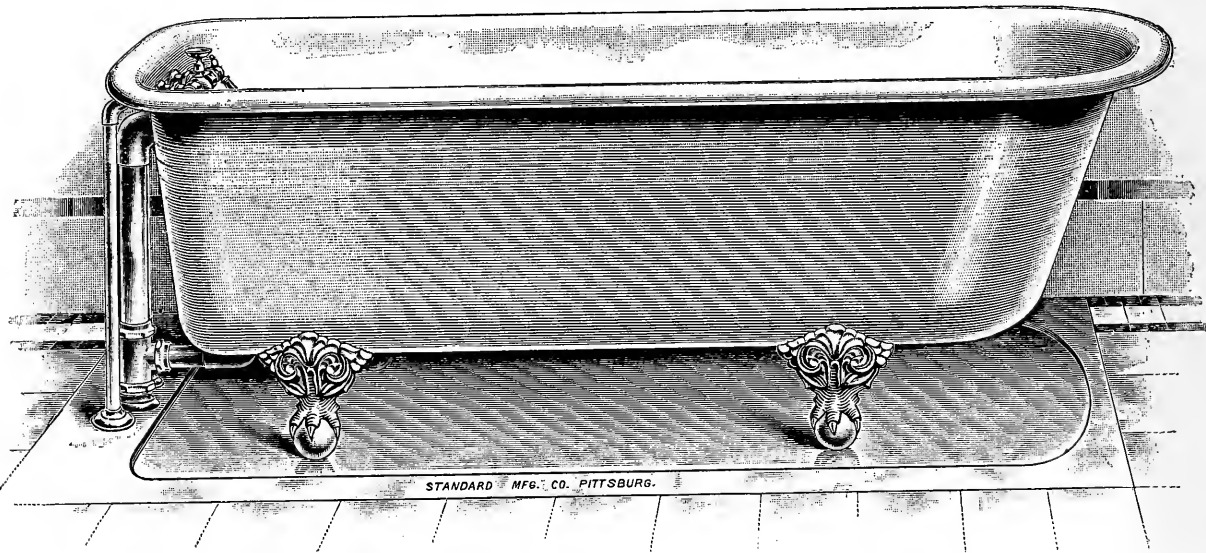


FIG. A—428.

DESCRIPTION—White Enameled “Occident” Bath Tub, with 3-inch Roll Rim. Brass Overflow Connection with Nickel-plated Grate. Brass Waste Plug and Coupling with Nickel-plated Strainer. Rubber Stopper and Nickel-plated Chain.

No. 4½, Nickel-plated Fuller Double Bath Cock, Nickel-plated Supply Pipes and Nickel-plated Connected Waste and Overflow.

Length over Rim .....	Feet	4	4½	5	5½	6
Width over Rim .....	Inches	30	30	30	30	30
Depth inside .....	Inches	17	17	17	17	17
Height from Floor ..	Inches	22	22	22	22	22
Price as described .....	Each	41.50	41.50	45.50	50.50	56.50

“OCCIDENT”

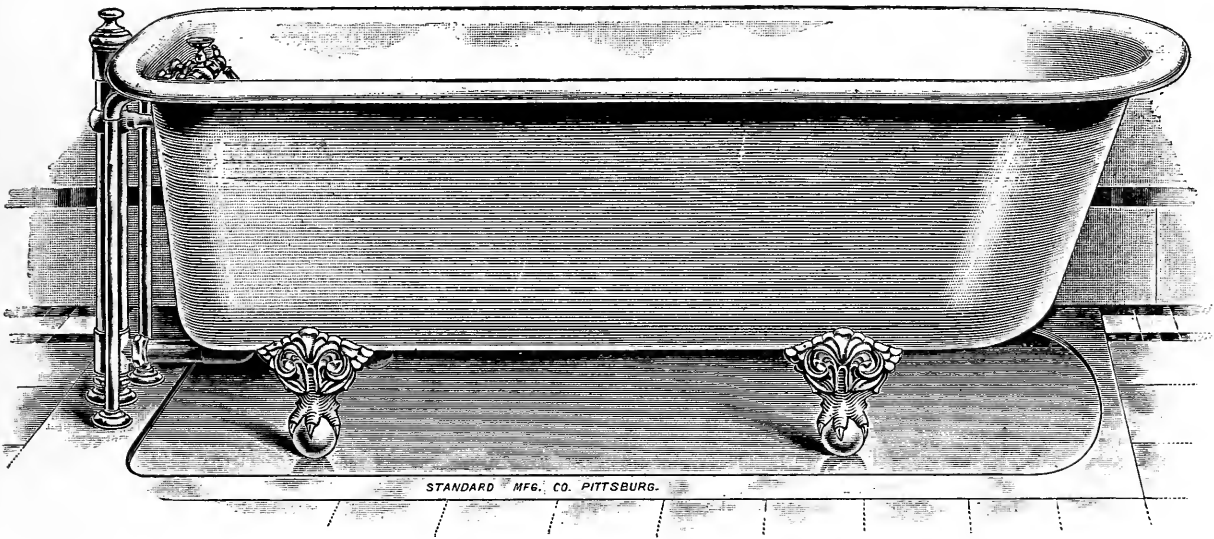


FIG. A-429.

DESCRIPTION—White Enameled “Occident” Bath Tub with 3-inch Roll Rim. Brass Overflow Connection with Nickel-plated Grate. Brass Waste Plug and Coupling with Nickel-plated Strainer.

No. 4½, Nickel-plated Fuller Double Bath Cock, Nickel-plated Supply Pipes, and Nickel-plated “Ideal” Bath Waste.

Length over Rim.....	Feet	4	4½	5	5½	6
Width over Rim.....	Inches	30	30	30	30	30
Depth inside.....	Inches	17	17	17	17	17
Height from Floor.....	Inches	22	22	22	22	22
Price as described.....	Each	48.00	48.00	52.00	57.00	63.00



“NEW FAVORITE “

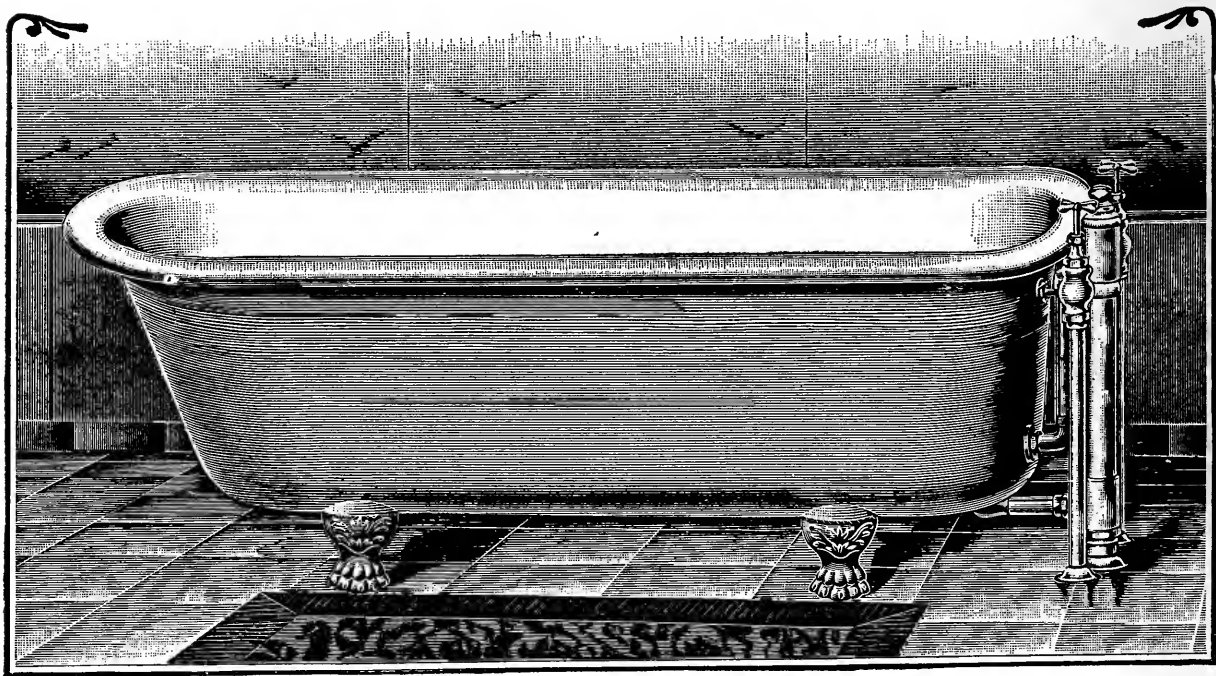


FIG. A—430

DESCRIPTION—White Enameled “New Favorite” Bath Tub with Half Under Roll Rim, and Nickel-plated Bottom Bell Supply Fittings Complete.

Length over Rim..... Feet	4	4½	5	5½	6
Width over Rim..... Inches	29	29	29	29	29
Depth inside..... Inches	17	17	17	17	17
Height from Floor..... Inches	23	23	23	23	23
Price, as described..... Each	57.00	57.00	61.00	66.00	72.00

If wanted without Bottom Bell Supply Fittings, deduct from List..... 25 00



ENAMELED STEEL BATH TUBS

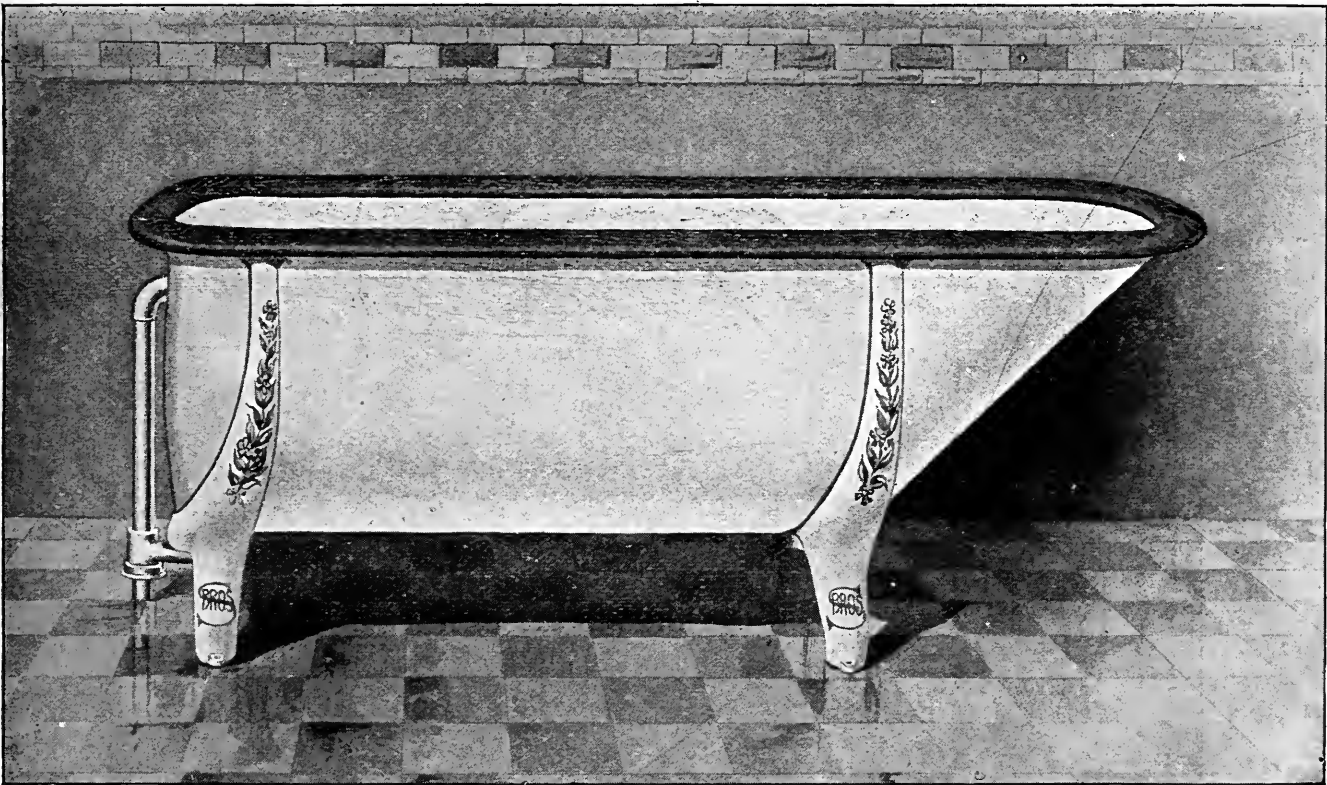


FIG. A-431.

DESCRIPTION—Smooth Rolled Galvanized Steel Bath Tub, with Oak Rim, Nickel-plated Connected Waste and Overflow, Nickel-plated Chain and Rubber Stopper.

EXTERIOR—Light Blue Enamel Finish and Gold Trimmed.

INTERIOR—White Enamel Finish.

DIMENSIONS—Height, 23½ inches; Width over Rim, 28 inches; Depth, 17½ inches.

Size .....	Feet	4 ¼	5	5 ½	6
Price, as described. ....		19.50	20.50	21.50	24.50

Fitted for Fuller No. 4½ Double Bath Cock unless otherwise ordered.

COPPER AND ZINC BATH TUBS

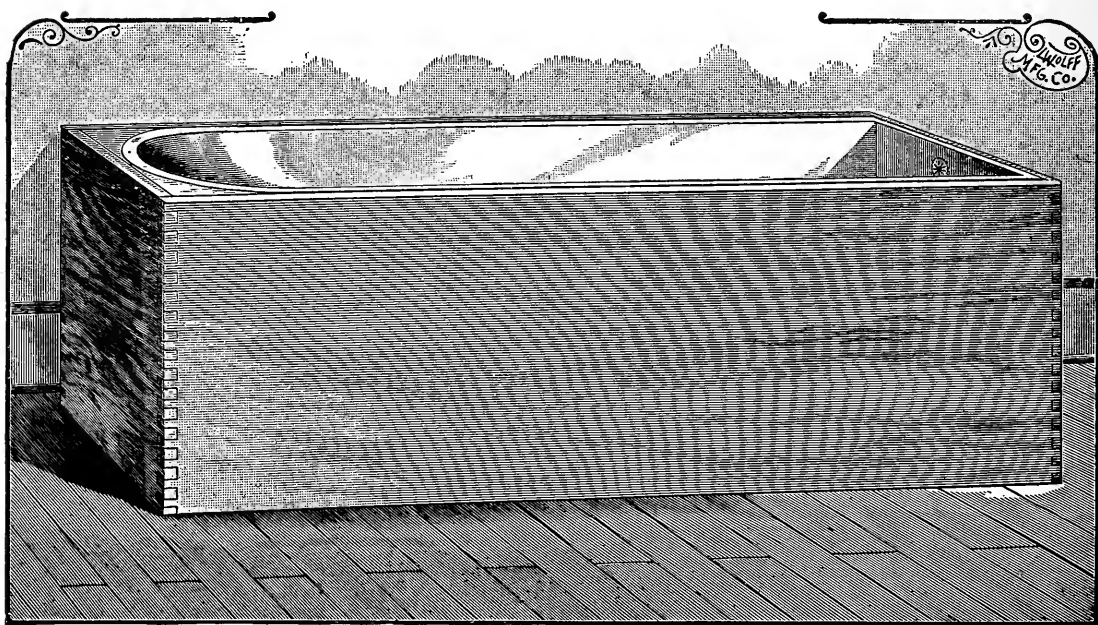


FIG. A-432.

COPPER TUBS (NEW YORK PATTERN)

DIMENSIONS—Outside Width, 24 inches; Height, 19 inches; Outside Length, 4½, 5, 5½ and 6 feet.

Weight of Copper .....	Ounces	10	12	14	16	18	20
Price .....	All sizes	15.00	16.00	18.00	20.00	22.00	24.00

ZINC TUBS (NEW YORK PATTERN)

All sizes .....	8.00
-----------------	------

STANDARD GALVANIZED RANGE BOILERS

VERTICAL OR HORIZONTAL

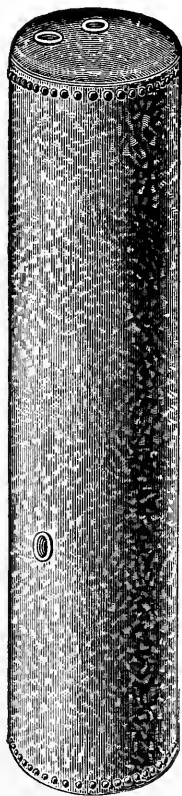


FIG. A-433.

CAPACITY	SIZE		PRICE
18 gallons .....	3	feet by 12 inches .....	14.50
21 " .....	3½	" 12 " .....	15.50
24 " .....	4	" 12 " .....	15.75
24 " .....	3	" 14 " .....	19.00
27 " .....	4½	" 12 " .....	18.50
28 " .....	3½	" 14 " .....	20.25
30 " .....	5	" 12 " .....	19.00
32 " .....	4	" 14 " .....	21.00
35 " .....	5	" 13 " .....	21.00
36 " .....	6	" 12 " .....	24.50
36 " .....	4½	" 14 " .....	21.50
40 " .....	5	" 14 " .....	24.00
42 " .....	4	" 16 " .....	26.00
47 " .....	4½	" 16 " .....	30.00
48 " .....	6	" 14 " .....	30.00
52 " .....	5	" 16 " .....	31.00
53 " .....	4	" 18 " .....	31.50
63 " .....	6	" 16 " .....	38.00
66 " .....	5	" 18 " .....	38.00
79 " .....	6	" 18 " .....	44.00
82 " .....	5	" 20 " .....	45.50
98 " .....	6	" 20 " .....	61.50
100 " .....	5	" 22 " .....	63.50
120 " .....	6	" 22 " .....	74.00
120 " .....	5	" 24 " .....	72.50
144 " .....	6	" 24 " .....	103.00
168 " .....	7	" 24 " .....	120.00
192 " .....	8	" 24 " .....	132.00

The above prices are for Boilers only.

RANGE BOILER STANDS



FIG. A-434.

SIZE INCHES	PRICE, EACH	PRICE, EACH
	PLAIN	GALVANIZED
12	1.25	2.50
13	1.30	2.60
14	1.40	2.70
16	1.75	3.25
18	2.00	3.60
20	2.25	4.25
22	2.50	4.75
24	3.00	5.50

GALVANIZED RANGE BOILERS

WITH GALVANIZED IRON STEAM COILS

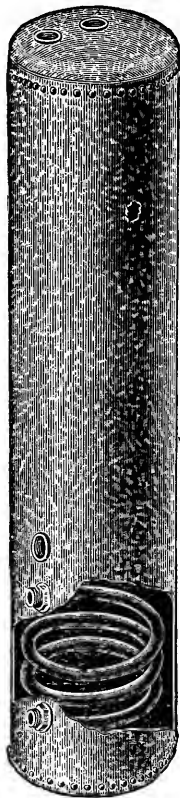


FIG. A-435.

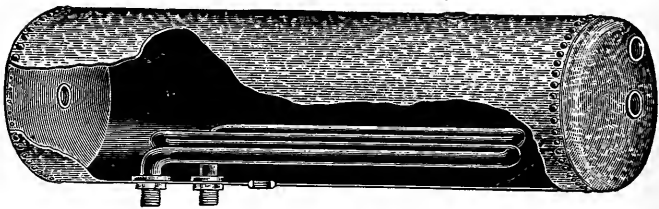


FIG. A-436.

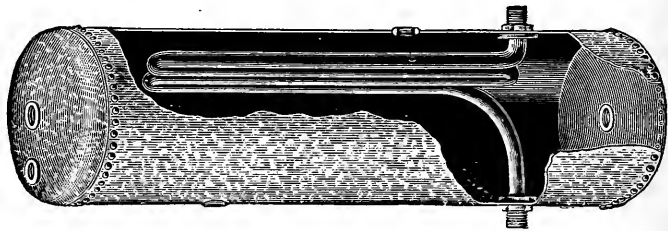


FIG. A-437.

CAPACITY	SIZE	STANDARD	EXTRA HEAVY
30 gallons ----	5 feet by 12 inches ----	18.50	20.00
40 " ----	5 " 14 " ----	23.50	25.00
52 " ----	5 " 16 " ----	27.25	30.00
63 " ----	6 " 16 " ----	33.25	37.00
66 " ----	5 " 18 " ----	33.25	37.00
82 " ----	5 " 20 " ----	38.00	40.00
100 " ----	5 " 22 " ----	53.00	55.50
120 " ----	6 " 22 " ----	55.60	62.00
120 " ----	5 " 24 " ----	54.25	60.50

Prices are for Boiler and Coil only; Couplings, Tube and Stand are extra.

GALVANIZED EXPANSION TANKS

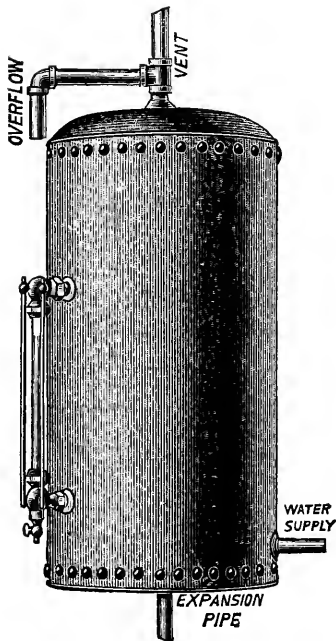


FIG. A-438.

CAPACITY, GALLONS	DIMENSIONS, INCHES	PRICE, EACH, GALVANIZED
5½	9 x 20	6.00
8	10 x 25½	7.50
10	12 x 20	8.00
12	12 x 24	8.50
15	12 x 30	9.00
18	12 x 36	9.50
20	14 x 30	12.50
24	14 x 36	13.00
26	16 x 30	14.00
32	16 x 36	15.00
42	16 x 48	16.50
66	18 x 60	31.00

Water Gauges not included.

WILKS' WATER HEATERS

MAGAZINE FEED

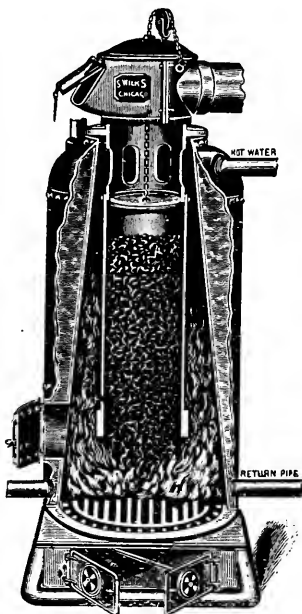


FIG. A-439.

WILKS' MAGAZINE FEED HEATERS

SIZE OF BOILER INCHES	TOTAL HEIGHT INCHES	SIZE OF OPENINGS INCHES	HEATING CAPACITY PER HOUR GALLONS	WEIGHT POUNDS	PRICE EACH
16 x 30	57	1 ½	140	340	57.50
16 x 36	62	1 ½	150	380	60.00
20 x 30	66	2	200	445	72.00
20 x 36	72	2	250	500	75.00
20 x 42	78	2	275	530	80.00
24 x 36	76	2	325	700	105.00
24 x 42	82	2	350	740	110.00
30 x 42	84	3	600	1230	130.00
30 x 48	90	3	700	1280	135.00
36 x 42	87	3	900	1950	185.00
36 x 48	93	3	1000	2000	195.00
42 x 42	90	3	1200	2600	215.00
42 x 48	96	3	1300	2700	225.00

WILKS' SURFACE BURNER HEATERS

SIZE OF BOILER INCHES	TOTAL HEIGHT INCHES	SIZE OF OPENINGS INCHES	HEATING CAPACITY PER HOUR GALLONS	WEIGHT POUNDS	PRICE EACH
10 x 15	22	¾	30	70	20.00
10 x 18	25	¾	40	75	21.00
12 x 24	32	1	65	120	25.00
20 x 30	38	1	75	130	26.50
14 x 30	40	1 ¼	100	180	30.00
14 x 36	46	1 ¼	125	190	32.00

TABASCO WATER HEATERS

MAGAZINE FEED

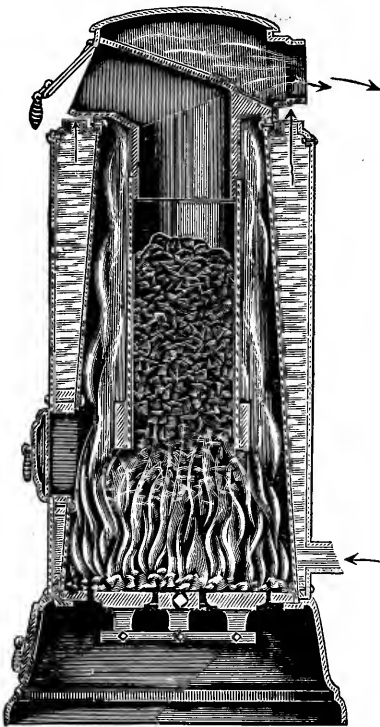


FIG. A-440.

TABASCO MAGAZINE FEED HEATERS

SIZE OF BOILER INCHES	TOTAL HEIGHT INCHES	SIZE OF FLOWS AND RETURNS INCHES	HEATING CAPACITY PER HOUR GALLONS	WEIGHT POUNDS	PRICE EACH
17 x 30	48	2-1½	130	430	71.00
17 x 36	54	2-1½	150	450	75.00
21 x 30	57	2-2	200	530	85.00
21 x 36	57	2-2	250	560	91.00
21 x 42	63	2-2	300	590	97.00
21 x 48	69	2-2	350	630	103.00
25 x 36	57	2-2	300	730	130.00
25 x 42	63	2-2	350	780	136.00
25 x 48	69	2-2	400	830	143.00
30 x 42	67	2-3	500	1120	156.00
30 x 48	73	2-3	600	1220	163.00
30 x 54	79	2-3	700	1300	170.00

TABASCO, JR., SURFACE BURNER HEATERS

SIZE OF BOILER INCHES	SIZE OF FLOWS AND RETURNS INCHES	HEATING CAPACITY PER HOUR GALLONS	WEIGHT POUNDS	PRICE EACH
10 x 16	1	30	120	30.00
10 x 18	1	40	125	32.00
12 x 24	1	65	180	40.00
12 x 30	1	80	200	41.00
15 x 30	1¼	100	250	49.00
15 x 36	1¼	120	270	52.00

CRESCENT INSTANTANEOUS WATER HEATER

No. 2

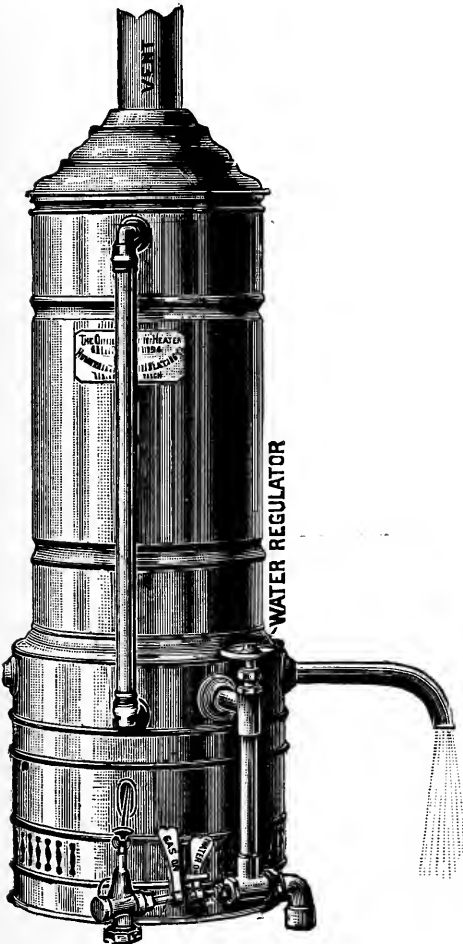


FIG. A-441.

No. 8

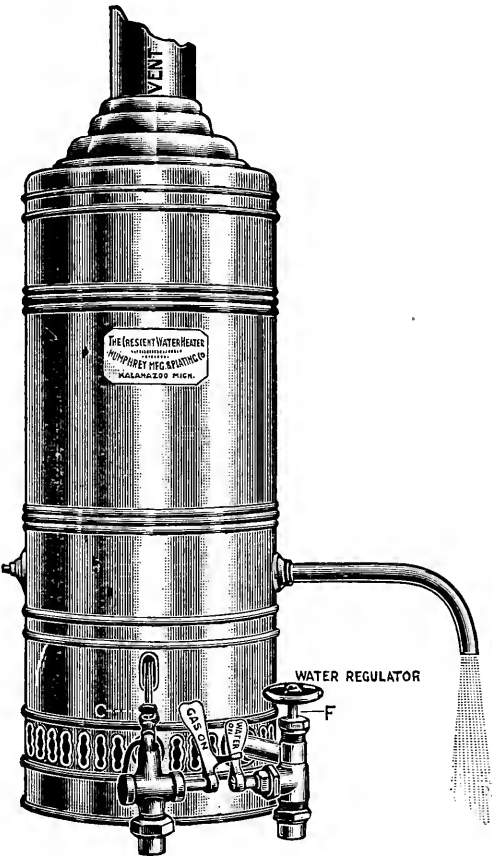


FIG. A-442.

DESCRIPTIVE  
CIRCULARS  
SENT  
ON  
APPLICATION

HEATING CAPACITY

2½ to 3 gallons per minute.

FULL NICKEL-PLATED

No. 2 Heater.....	35.00
No. 6 Heater.....	25.00
No. 8 Heater.....	22.00

EXTRAS

Nickel-plated Shelf and Bracket .....		2.75	
NICKEL-PLATED VENT FITTINGS .....	{	Pipe, per Foot .....	.50
		Collars .....	.35
		Elbows .....	.80
		Extension Thimbles, 4 to 8 inches .....	1.00
		Vent Hoods .....	1.50

CAUTION: Heaters should ALWAYS be Vented, and Vent carried to attic or to outside of building.

MALLEABLE IRON FITTINGS

ELBOWS



FIG. A-443.

Size .....	Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
Black .....	Each	.04.	.04	.06	.10	.15	.22	.25	.35	.50	.80	1.50
Galvanized .....	Each		.05	.08	.14	.20	.32	.40	.60	.90	1.35	2.60
Right and Left, Black.....	Each		.05	.07	.12	.17	.25	.30	.40	.65		

45° ELBOWS



FIG. A-444.

Size .....	Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
Black .....	Each	.08	.10	.12	.18	.26	.36	.54	.82	1.25	2.50
Galvanized .....	Each	.12	.15	.20	.25	.40	.50	.85	1.35		

STREET ELBOWS

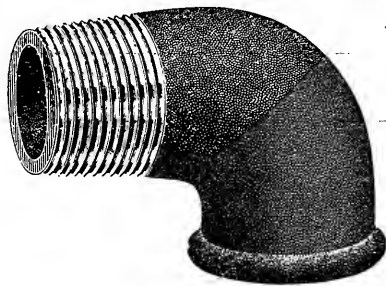


FIG. A-445.

Size .....	Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Black .....	Each	.10	.10	.12	.20	.25	.40	.55	.90	1.50
Galvanized .....	Each	.12	.12	.15	.28	.35	.55	.80	1.30	



MALLEABLE IRON FITTINGS  
SIDE OUTLET ELBOWS



FIG. A-446.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price .....	Each	.08	.10	.18	.30	.45	.60	1.00

DROP ELBOWS



FIG. A-447.

Size .....	Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Black .....	Each	.06	.08	.12	.20	.25
Galvanized .....	Each		.12	.20	.35	.40

LONG DROP ELBOWS



FIG. A-448.

Size .....	Inches	$\frac{1}{4} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{3}{8}$
Black .....	Each	.10	.10
Galvanized .....	Each	.18	.18

FLANGE RIGHT



FIG. A-449.

DROP ELBOWS

FLANGES RIGHT OR LEFT

Size .....	Inches	$\frac{1}{4} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{3}{8}$
Price .....	Each	.08	.08

FLANGE LEFT

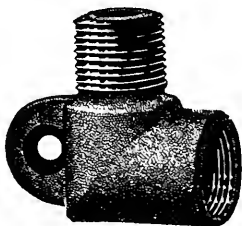


FIG. A-450.

MALLEABLE IRON FITTINGS

TEES



FIG. A-451

Size --- Inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Black ----- Each	.07	.07	.08	.11	.15	.25	.30	.45	.60	1.05	1.70
Galvanized -- Each		.09	.10	.16	.20	.38	.50	.70	1.00	1.90	3.00

FOUR-WAY TEES

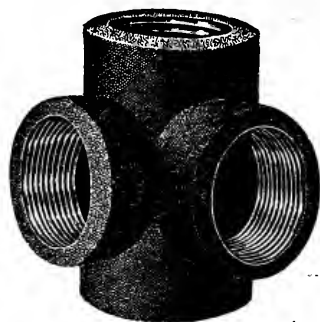


FIG. A-452

Size ----- Inches	3/8	1/2	3/4	1	1 1/4	1 1/2
Price. ----- Each	.12	.14	.20	.35	.50	.80

DROP TEES



FIG. A-453.

Size ----- Inches	3/8	1/2	3/4	1
Black ----- Each	.10	.14	.22	.30
Galvanized ----- Each	.15	.25	.40	.55

MALLEABLE IRON FITTINGS

CROSSES



FIG. A—454.

Size ---- -Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Black ---- -Each	.08	.10	.12	.20	.30	.40	.60	1.00	1.75	3.00
Galvanized ---- -Each		.15	.17	.25	.45	.60	.90	1.50	2.75	4.25

REDUCERS



FIG. A—455.

Size ---- -Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{1}{2}$	4
Black ---- -Each	.03	.03	.05	.10	.16	.20	.28	.45	.70	1.00	1.50	1.85
Galvanized --Each		.05	.08	.15	.25	.35	.45	.75	1.05	1.65	2.40	3.05

CAPS



FIG. A—456.

Size ---- -Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Black ---- -Each	.03	.04	.05	.08	.12	.16	.24	.32	.45	.85	1.00	1.20
Galvanized --Each	.04	.05	.08	.12	.17	.24	.38	.52	.76	1.30	1.60	2.00

MALLEABLE IRON FITTINGS

COUPLINGS

RIGHT HAND

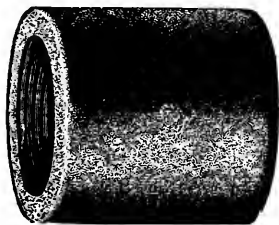


FIG. A-457.

RIGHT AND LEFT

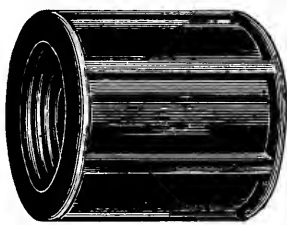


FIG. A-458.

Size ----- Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Right Hand, Black ----- Each	.03	.04	.07	.10	.14	.20	.25	.35
Right Hand, Galvanized ----- Each	.05	.07	.10	.17	.23	.30	.40	.55
Right and Left, Black ----- Each	.04	.05	.08	.12	.16	.25	.36	.52
Right and Left, Galvanized ----- Each	.06	.08	.10	.17	.25	.35	.55	.75

OFFSET REDUCING COUPLINGS

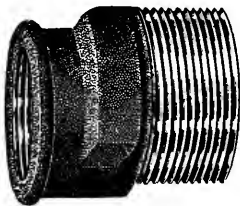


FIG. A-459.

Size ----- Inches	$1 \times \frac{3}{4}$	$1\frac{1}{4} \times 1$	$1\frac{1}{2} \times 1\frac{1}{4}$	$2 \times 1\frac{1}{2}$	$2\frac{1}{2} \times 2$	$3 \times 2\frac{1}{2}$	$3\frac{1}{2} \times 3$	$4 \times 3$	$5 \times 4$
Price ----- Each	.60	.70	.90	1.10	1.80	2.50	3.00	4.00	6.00

CROSS-OVERS

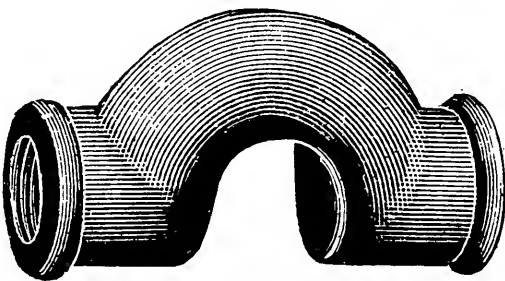


FIG. A-460.

Size ----- Inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Black ----- Each	.20	.30	.45
Galvanized ----- Each	.25	.40	.60

MALLEABLE IRON FITTINGS

RETURN BENDS

MEDIUM PATTERN

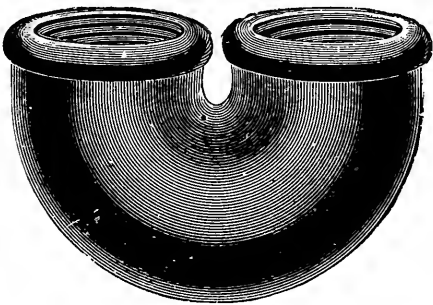


FIG. A-461.

CLOSE PATTERN

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Right Hand, Black .....	Each	.13	.25	.35	.50	.75	1.00
Right Hand, Galvanized .....	Each	.25	.35	.55	.75	1.15	1.65
Right and Left, or Left Hand, Black .....	Each	.15	.30	.45	.60	.90	1.25
Distance between centers .....	Inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{6}$	$2\frac{5}{8}$

MEDIUM PATTERN

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Right Hand, Black .....	Each	.13	.25	.35	.50	.75	1.00
Right Hand, Galvanized .....	Each	.25	.35	.55	.75	1.15	1.65
Right and Left, or Left Hand, Black .....	Each	.15	.30	.45	.60	.90	1.25
Distance between centers .....	Inches	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{1}{4}$	$2\frac{1}{2}$	3

OPEN PATTERN

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Right Hand, Black .....	Each	.15	.30	.50	.65	.85	1.25	2.00	3.00
Right Hand, Galvanized .....	Each	.25	.45	.70	.90	1.25	2.00	3.50	5.00
Right and Left, or Left Hand, Blk .....	Each	.20	.38	.60	.80	1.05	1.55	2.50	3.75
Distance between centers .....	Inches	$\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5

MALLEABLE IRON FITTINGS

BUSHINGS

REGULAR



FIG. A-462.

FACED

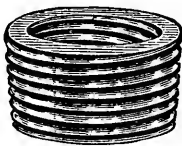


FIG. A-463.

REDUCING ONE SIZE ONLY

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Regular, Black .....	Each	.04	.04	.05	.06	.07	.09	.14	.21
Regular, Galvanized .....	Each	.08	.08	.10	.12	.14	.18	.28	.42
Faced, Black .....	Each	.08	.09	.11	.13	.17	.22	.32	.48

LOCK NUTS

REGULAR



FIG. A-464.

FACED

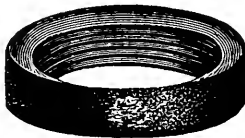


FIG. A-465.

Size .....	Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Regular, Black .....	Each	.02	.03	.04	.05	.07	.09	.11	.18
Regular, Galvanized .....	Each	.03	.04	.05	.07	.10	.14	.20	.30
Faced, Black .....	Each	.08	.09	.10	.12	.15	.20	.25	.30

WASTE NUTS

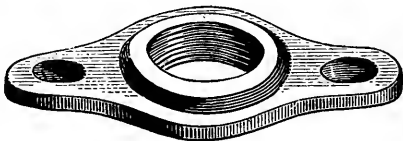


FIG. A-466.

Size .....	Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Black .....	Each	.04	.05	.06	.08	.10
Galvanized .....	Each	.08	.10	.12	.16	.20

MALLEABLE IRON FITTINGS

RIGHT AND LEFT NIPPLES WITH HEXAGON CENTER

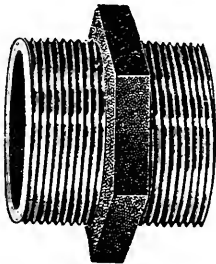


FIG. A-467.

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price .....	Each	.25	.30	.40	.50	.70

MALLEABLE UNIONS

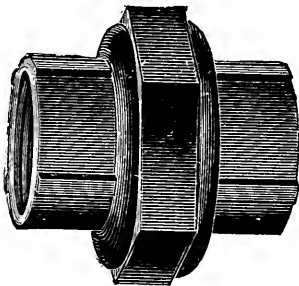


FIG. A-468.

Size .....	Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Black .....	Each	.18	.20	.22	.27	.33	.46	.58	.75	1.55	2.10
Galvanized .....	Each	.27	.30	.33	.40	.50	.70	.90	1.15	2.35	3.15

COMBINATION BRASS AND IRON GROUND BALL JOINT UNIONS

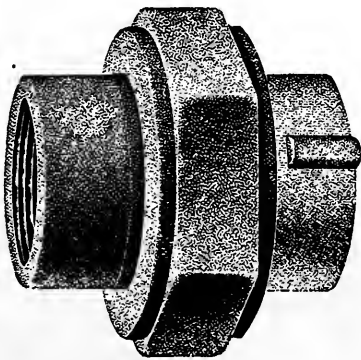


FIG. A-469.

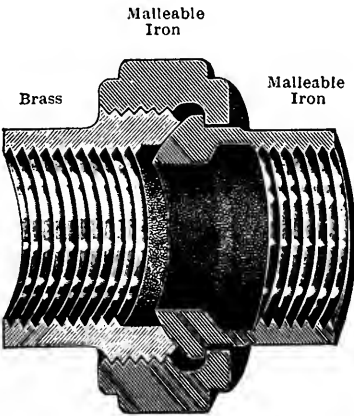


FIG. A-470.

Size .....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Black .....	Each	.24	.28	.35	.40	.56	.80	.95
Galvanized .....	Each	.28	.35	.46	.55	.78	1.12	1.35

MALLEABLE IRON FITTINGS

"Y" BENDS



FIG. A—471.

Size-----Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Black -----Each	.25	.40	.60	.80	1.00	1.70	2.00	3.00
Galvanized -----Each	.38	.60	.90	1.25	1.50	2.50	3.00	4.50

UNION ELBOWS

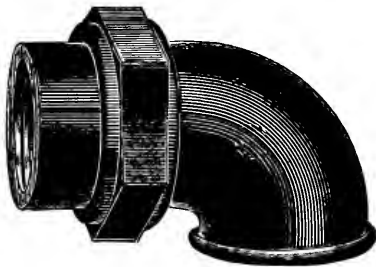


FIG. A—472.

Size-----Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Black -----Each	.42	.54	.63	.90	1.05	1.55	2.85
Galvanized -----Each	.63	.81	.95	1.35	1.58	2.35	4.30

UNION TEES

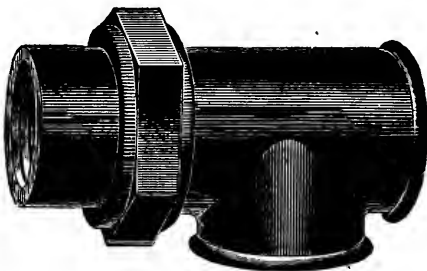


FIG. A—473.

Size-----Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Black -----Each	.45	.57	.70	.95	1.15	1.70	3.20
Galvanized -----Each	.68	.86	1.05	1.45	1.75	2.55	4.80



MALLEABLE IRON FITTINGS

CIRCULATING BOILER FITTINGS

GALVANIZED

BOILER ELBOW

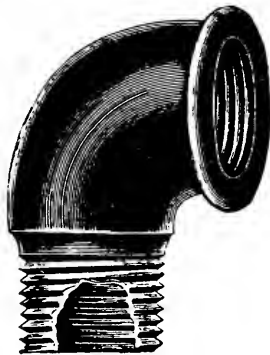


FIG. A-474.

BOILER ELBOW

WITH UNION

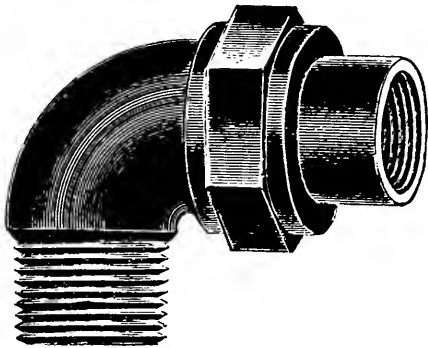


FIG. A-475.

BOILER COUPLING

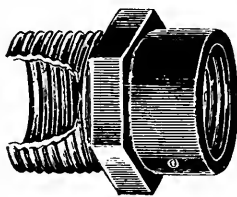


FIG. A-476.

BOILER COUPLING

WITH UNION

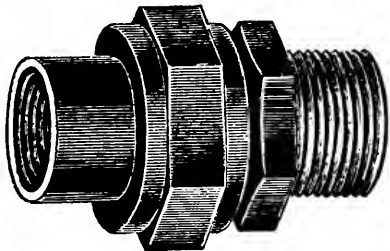


FIG. A-477.

		FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
Sizes	Inches	$\frac{3}{4}$ x $\frac{3}{4}$ x 1		$\frac{3}{4}$ x $\frac{1}{2}$ x 1		$\frac{1}{2}$ x $\frac{1}{2}$ x 1	
Boiler Elbows	Each	.40		.40		.40	
Boiler Elbows, with Union	Each	.75		.75		.60	
Boiler Coupling	Each	.40		.40		.40	
Boiler Coupling, with Union	Each	.75		.75		.60	

DRIVE CAP

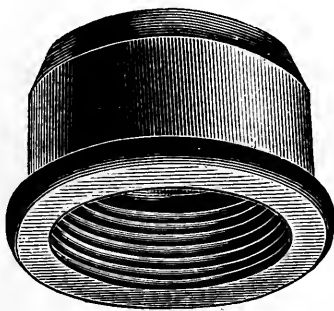


FIG. A-478.

Size	Inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price	Each	.26	.35	.42	.60	1.16	2.00	2.70	3.80

MALLEABLE IRON FITTINGS

RAILING FITTINGS



FIG. A-479.



FIG. A-480.



FIG. A-481.

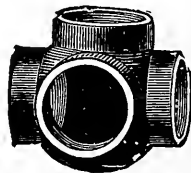


FIG. A-482.



FIG. A-483.

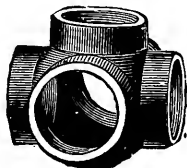


FIG. A-484.



FIG. A-485.



FIG. A-486.

Size .....	Inches	1/2	3/4	1	1 1/4	1 1/2	2
Fig. A-479. Elbow .....	Each	.15	.18	.20	.35	.45	.72
Fig. A-480. Side Outlet Elbow .....	Each	.20	.23	.25	.40	.50	.80
Fig. A-481. Tee .....	Each	.20	.23	.25	.40	.50	.75
Fig. A-482. Side Outlet Tee .....	Each	.30	.33	.35	.45	.55	.90
Fig. A-483. Cross .....	Each	.30	.33	.35	.45	.58	1.00
Fig. A-484. Side Outlet Cross .....	Each	.35	.38	.40	.50	.65	1.35
Fig. A-485. Floor Flange .....	Each	.14	.15	.15	.20	.28	.30
Fig. A-486. Acorn Ornament .....	Each	.16	.18	.20	.25	.35	.90

NOTE—Railing Fittings tapped Right and Left, or Left Hand, 15 per cent higher than above prices.

CHANDELIER HOOKS

MALE



FIG. A-487.

FEMALE



FIG. A-488.

CHANDELIER LOOP



FIG. A-489.

EXTENSION PIECE



FIG. A-490.

WALL PLATE



FIG. A-491.

Size .....	Inches	3/8	1/2	3/4
Chandelier Hooks, Male .....	Each	.10	.12	
Chandelier Hooks, Female .....	Each	.10	.12	
Chandelier Loops .....	Each	.10	.12	
Extension Pieces .....	Each	.06	.09	.12
Wall Plates .....	Each	.12		

MALLEABLE IRON FITTINGS

HYDRANT CLAMPS

SQUARE SOCKET

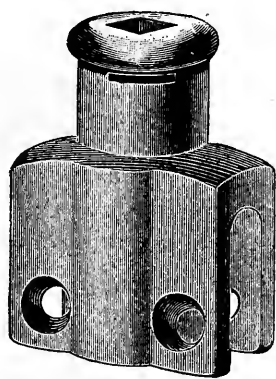


FIG. A-492.

HYDRANT CLAMPS

TAPPED SOCKET

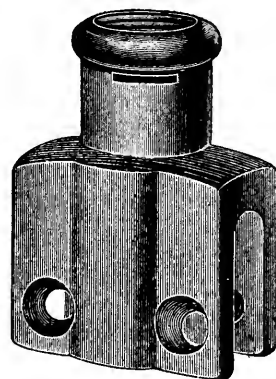


FIG. A-493.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1
Square Socket .....	Per Pound	.15	.15	.15	.15
Tapped Socket, for $\frac{3}{8}$ -inch Pipe .....	Per Pound	.18	.18	.18	.18
Tapped Socket, for $\frac{1}{2}$ -inch Pipe .....	Per Pound	.20	.20	.20	.20

STREET WASHER KEYS

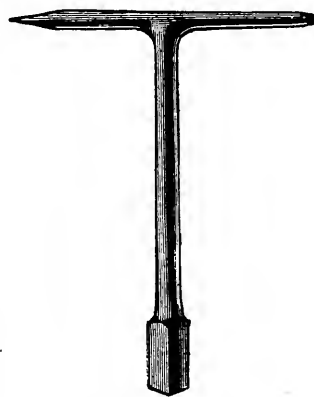


FIG. A-494.

HYDRANT HANDLES

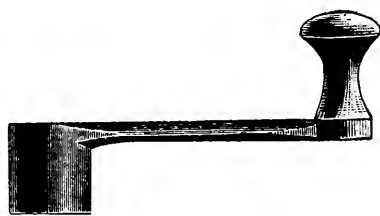


FIG. A-495.

Price .....	Per Pound .15
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Price .....	Per Pound .15
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PUMP ROD COUPLINGS



FIG. A-496.

Size .....	Inches	$\frac{3}{8}$	$\frac{3}{8} \times \frac{7}{16}$	$\frac{7}{16}$	$\frac{1}{2}$
Number of Threads to Inch .....		14	14-12	12	12
Price, Plain .....	Per Pound	.25	.25	.25	.25
Price, Galvanized .....	Per Pound	.32	.32	.32	.32

WOOD ROD COUPLINGS

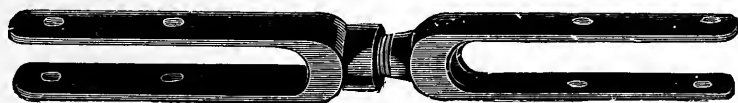


FIG. A-497.

Price, Plain .....	Per Set .40
Price, Galvanized .....	Per Set .50

## STANDARD LIST OF MALLEABLE IRON FITTINGS

## ELBOWS

Gas .....	$\frac{1}{8}$ x $\frac{1}{8}$
Gas .....	$\frac{1}{4}$ x $\frac{1}{8}$
*Steam and Gas .....	$\frac{1}{4}$ x $\frac{1}{4}$
Gas .....	$\frac{3}{8}$ x $\frac{1}{8}$
*Steam and Gas .....	$\frac{3}{8}$ x $\frac{1}{4}$
*Steam and Gas .....	$\frac{3}{8}$ x $\frac{3}{8}$
Gas .....	$\frac{1}{2}$ x $\frac{1}{4}$
*Steam and Gas .....	$\frac{1}{2}$ x $\frac{3}{8}$
*Steam and Gas .....	$\frac{1}{2}$ x $\frac{1}{2}$
*Gas .....	$\frac{3}{4}$ x $\frac{3}{8}$
*Steam and Gas .....	$\frac{3}{4}$ x $\frac{1}{2}$
*Steam and Gas .....	$\frac{3}{4}$ x $\frac{3}{4}$
Gas .....	1 x $\frac{3}{8}$
*Steam and Gas .....	1 x $\frac{1}{2}$
*Steam and Gas .....	1 x $\frac{3}{4}$
*Steam and Gas .....	1 x 1
Steam .....	$1\frac{1}{4}$ x $\frac{3}{4}$
*Steam and Gas .....	$1\frac{1}{4}$ x 1
*Steam and Gas .....	$1\frac{1}{4}$ x $1\frac{1}{4}$
Steam .....	$1\frac{1}{2}$ x $\frac{3}{4}$
Steam .....	$1\frac{1}{2}$ x 1
*Steam and Gas .....	$1\frac{1}{2}$ x $1\frac{1}{4}$
*Steam and Gas .....	$1\frac{1}{2}$ x $1\frac{1}{2}$
Steam .....	2 x 1
Steam .....	2 x $1\frac{1}{4}$
*Steam and Gas .....	2 x $1\frac{1}{2}$
*Steam and Gas .....	2 x 2
Steam .....	$2\frac{1}{2}$ x $1\frac{1}{2}$
Steam .....	$2\frac{1}{2}$ x 2
*Steam .....	$2\frac{1}{2}$ x $2\frac{1}{2}$
Steam .....	3 x 2
Steam .....	3 x $2\frac{1}{2}$
*Steam .....	3 x 3
Steam .....	$3\frac{1}{2}$ x 3
Steam .....	$3\frac{1}{2}$ x $3\frac{1}{2}$
Steam .....	4 x 3
Steam .....	4 x $3\frac{1}{2}$
*Steam .....	4 x 4
Steam .....	$4\frac{1}{2}$ x $4\frac{1}{2}$
Steam .....	5 x 5
Steam .....	6 x 6

## RIGHT AND LEFT ELBOWS

Steam .....	$\frac{1}{4}$ x $\frac{1}{4}$
Steam .....	$\frac{3}{8}$ x $\frac{3}{8}$
Steam .....	$\frac{1}{2}$ x $\frac{1}{2}$
Steam .....	$\frac{3}{4}$ x $\frac{3}{4}$
Steam .....	1 x 1
Steam .....	$1\frac{1}{4}$ x $1\frac{1}{4}$
Steam .....	$1\frac{1}{2}$ x $1\frac{1}{2}$
Steam .....	2 x 2

## STREET ELBOWS

Beaded .....	$\frac{1}{4}$ x $\frac{1}{4}$
*Beaded .....	$\frac{3}{8}$ x $\frac{3}{8}$
*Beaded .....	$\frac{1}{2}$ x $\frac{1}{2}$
Beaded .....	$\frac{3}{4}$ x $\frac{1}{2}$
*Beaded .....	$\frac{3}{4}$ x $\frac{3}{4}$
Beaded .....	1 x $\frac{3}{4}$
*Beaded .....	1 x 1
*Beaded .....	$1\frac{1}{4}$ x 1
*Beaded .....	$1\frac{1}{4}$ x $1\frac{1}{4}$
Beaded .....	$1\frac{1}{2}$ x $1\frac{1}{4}$
*Beaded .....	$1\frac{1}{2}$ x $1\frac{1}{2}$
Beaded .....	2 x $2\frac{1}{2}$
*Beaded .....	2 x 2
Beaded .....	$2\frac{1}{2}$ x $2\frac{1}{2}$

## 45° ELBOWS

Beaded .....	$\frac{1}{4}$ x $\frac{1}{4}$
Beaded .....	$\frac{3}{8}$ x $\frac{3}{8}$
*Beaded .....	$\frac{1}{2}$ x $\frac{1}{2}$
*Beaded .....	$\frac{3}{4}$ x $\frac{3}{4}$
*Beaded .....	1 x 1
*Beaded .....	$1\frac{1}{4}$ x $1\frac{1}{4}$
*Gas .....	$1\frac{1}{4}$ x $1\frac{1}{4}$
*Beaded .....	$1\frac{1}{2}$ x $1\frac{1}{2}$
*Gas .....	$1\frac{1}{2}$ x $1\frac{1}{2}$
*Beaded .....	2 x 2
Beaded .....	$2\frac{1}{2}$ x $2\frac{1}{2}$
Beaded .....	3 x 3
Beaded .....	$3\frac{1}{2}$ x $3\frac{1}{2}$
Beaded .....	4 x 4
Beaded .....	$4\frac{1}{2}$ x $4\frac{1}{2}$
Beaded .....	5 x 5
Beaded .....	6 x 6

## SIDE OUTLET ELBOWS

Gas .....	$\frac{3}{8}$ x $\frac{3}{8}$ x $\frac{1}{4}$
*Gas .....	$\frac{3}{8}$ x $\frac{3}{8}$ x $\frac{3}{8}$
Gas .....	$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{3}{8}$
*Gas .....	$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$
Gas .....	$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{8}$
Gas .....	$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{1}{2}$
*Gas .....	$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$
Gas .....	1 x 1 x $\frac{3}{4}$
*Gas .....	1 x 1 x 1
Gas .....	$1\frac{1}{4}$ x $1\frac{1}{4}$ x 1
*Gas .....	$1\frac{1}{4}$ x $1\frac{1}{4}$ x $1\frac{1}{4}$
*Gas .....	$1\frac{1}{2}$ x $1\frac{1}{2}$ x $1\frac{1}{2}$
Gas .....	2 x 2 x 2

All above sizes carried in stock.

Those marked \* carried in stock, Galvanized.

## STANDARD LIST OF MALLEABLE IRON FITTINGS

## 60° ELBOWS

Plain-----	1½	
Plain-----	2	
Plain-----	2	x 1½

## DROP ELBOWS

(FEWALE)

Gas-----	¼ x ¼
Gas-----	¾ x ¼
*Gas-----	¾ x ¾
*Gas-----	½ x ½
*Gas-----	¾ x ½
*Gas-----	¾ x ¾
Gas-----	1 x 1

## DROP ELBOWS

(MALE AND FEMALE)

Gas-----	⅛ x ¾
*Gas-----	¼ x ¾
*Gas-----	¾ x ¾
Gas-----	½ x ¾

## DROP ELBOWS

WITH DROP 2½ INCHES LONG

Gas-----	¾ x ¾
Gas-----	¼ x ¾

## DROP ELBOWS

WITH FLANGE RIGHT SIDE

Gas-----	¼ x ¾
Gas-----	¾ x ¾

## DROP ELBOWS

WITH FLANGE LEFT SIDE

Gas-----	¾ x ¾
Gas-----	¼ x ¾

## CROSSES

Gas-----	¼ x ¼ x ¼ x ¼
Gas-----	¾ x ¼ x ¼ x ¼
Gas-----	¾ x ¾ x ¼ x ¼
Steam and Gas-	¾ x ¾ x ¾ x ¾
Gas-----	½ x ¾ x ¼ x ¼
Gas-----	½ x ¾ x ¾ x ¾
Gas-----	½ x ½ x ¼ x ¼
*Steam and Gas-	½ x ½ x ¾ x ¾
*Steam and Gas-	½ x ½ x ½ x ½
Gas-----	¾ x ¾ x ½ x ½
Gas-----	¾ x ½ x ¾ x ¾
*Gas-----	¾ x ½ x ½ x ½
Steam and Gas-	¾ x ¾ x ¾ x ¾
*Steam and Gas-	¾ x ¾ x ½ x ½
*Steam and Gas-	¾ x ¾ x ¾ x ¾
Gas-----	1 x ½ x ¾ x ¾
Gas-----	1 x ¾ x ¾ x ¾
Steam and Gas-	1 x ¾ x ½ x ½
Steam and Gas-	1 x ¾ x ¾ x ¾
Steam and Gas-	1 x 1 x ¾ x ¾
*Steam and Gas-	1 x 1 x ½ x ½
*Steam and Gas-	1 x 1 x ¾ x ¾
*Steam and Gas-	1 x 1 x 1 x 1
Steam-----	1¼ x 1 x ¾ x ¾
Steam-----	1¼ x 1 x 1 x 1
Steam-----	1¼ x 1¼ x ¾ x ¾
*Steam-----	1¼ x 1¼ x ½ x ½
*Steam-----	1¼ x 1¼ x ¾ x ¾
*Steam-----	1¼ x 1¼ x 1 x 1
*Steam and Gas-	1¼ x 1¼ x 1¼ x 1¼
Steam-----	1½ x 1¼ x 1¼ x 1¼
Steam-----	1½ x 1½ x ½ x ½
*Steam and Gas-	1½ x 1½ x ¾ x ¾
*Steam and Gas-	1½ x 1½ x 1 x 1
*Steam and Gas-	1½ x 1½ x 1¼ x 1¼
*Steam and Gas-	1½ x 1½ x 1½ x 1½
*Steam-----	2 x 2 x ¾ x ¾
*Steam and Gas-	2 x 2 x 1 x 1
*Steam and Gas-	2 x 2 x 1¼ x 1¼
*Steam and Gas-	2 x 2 x 1½ x 1½
*Steam and Gas-	2 x 2 x 2 x 2
Steam-----	2½ x 2½ x 1½ x 1½
Steam-----	2½ x 2½ x 2 x 2
*Steam-----	2½ x 2½ x 2½ x 2½
Steam-----	3 x 3 x 2 x 2
Steam-----	3 x 3 x 2½ x 2½
Steam and Gas-	3 x 3 x 3 x 3
Steam-----	3½ x 3½ x 3½ x 3½
Steam-----	4 x 4 x 2 x 2
Steam-----	4 x 4 x 4 x 4

All above sizes carried in stock.

Those marked \* carried in stock Galvanized.

## STANDARD LIST OF MALLEABLE IRON FITTINGS

## TEES

Gas	1/8	x	1/8	x	1/8
Gas	1/8	x	1/8	x	1/4
Gas	1/4	x	1/4	x	1/8
*Steam and Gas	1/4	x	1/4	x	1/4
*Gas	1/4	x	1/4	x	3/8
Gas	3/8	x	1/4	x	1/4
Gas	3/8	x	1/4	x	3/8
Gas	3/8	x	3/8	x	1/8
*Gas	3/8	x	3/8	x	1/4
*Steam and Gas	3/8	x	3/8	x	3/8
*Gas	3/8	x	3/8	x	1/2
Gas	1/2	x	1/4	x	1/2
Gas	1/2	x	3/8	x	1/4
*Gas	1/2	x	3/8	x	3/8
*Gas	1/2	x	3/8	x	1/2
Gas	1/2	x	3/8	x	3/4
Gas	1/2	x	1/2	x	1/4
*Steam and Gas	1/2	x	1/2	x	3/8
*Steam and Gas	1/2	x	1/2	x	1/2
*Steam and Gas	1/2	x	1/2	x	3/4
Gas	3/4	x	1/4	x	3/4
*Gas	3/4	x	3/8	x	3/8
*Gas	3/4	x	3/8	x	1/2
*Gas	3/4	x	3/8	x	3/4
Gas	3/4	x	1/2	x	1/4
*Gas	3/4	x	1/2	x	3/8
*Steam and Gas	3/4	x	1/2	x	1/2
*Steam and Gas	3/4	x	1/2	x	3/4
*Gas	3/4	x	1/2	x	1
Gas	3/4	x	3/4	x	1/4
*Steam and Gas	3/4	x	3/4	x	3/8
*Steam and Gas	3/4	x	3/4	x	1/2
*Steam and Gas	3/4	x	3/4	x	3/4
*Steam and Gas	3/4	x	3/4	x	1
Gas	1	x	3/8	x	1/2
Gas	1	x	3/8	x	3/4
Gas	1	x	3/8	x	1
Gas	1	x	1/2	x	3/8
*Steam and Gas	1	x	1/2	x	1/2
*Steam	1	x	1/2	x	3/4
*Steam and Gas	1	x	1/2	x	1
*Gas	1	x	3/4	x	3/8
*Steam and Gas	1	x	3/4	x	1/2
*Steam and Gas	1	x	3/4	x	3/4
*Steam and Gas	1	x	3/4	x	1
Steam	1	x	3/4	x	1 1/4
Gas	1	x	1	x	1/4
*Gas	1	x	1	x	3/8
*Steam and Gas	1	x	1	x	1/2
*Steam and Gas	1	x	1	x	3/4

## TEES

*Steam and Gas	1	x	1	x	1
*Steam and Gas	1	x	1	x	1 1/4
Steam	1	x	1	x	1 1/2
Gas	1 1/4	x	3/8	x	1 1/4
Steam	1 1/4	x	1/2	x	1
*Steam	1 1/4	x	1/2	x	1 1/4
Steam	1 1/4	x	3/4	x	3/4
*Steam	1 1/4	x	3/4	x	1
*Steam	1 1/4	x	3/4	x	1 1/4
Gas	1 1/4	x	1	x	3/8
*Steam	1 1/4	x	1	x	1/2
*Steam	1 1/4	x	1	x	3/4
*Steam and Gas	1 1/4	x	1	x	1
*Steam and Gas	1 1/4	x	1	x	1 1/4
Steam	1 1/4	x	1	x	1 1/2
Gas	1 1/4	x	1 1/4	x	3/8
*Steam and Gas	1 1/4	x	1 1/4	x	1/2
*Steam and Gas	1 1/4	x	1 1/4	x	3/4
*Steam and Gas	1 1/4	x	1 1/4	x	1
*Steam and Gas	1 1/4	x	1 1/4	x	1 1/4
*Steam	1 1/4	x	1 1/4	x	1 1/2
Steam	1 1/2	x	3/8	x	1 1/2
Steam	1 1/2	x	1/2	x	1 1/2
Steam	1 1/2	x	3/4	x	1 1/2
*Steam	1 1/2	x	1	x	1
*Steam	1 1/2	x	1	x	1 1/4
*Steam	1 1/2	x	1	x	1 1/2
*Steam	1 1/2	x	1 1/4	x	3/4
*Steam	1 1/2	x	1 1/4	x	1
*Steam	1 1/2	x	1 1/4	x	1 1/4
*Steam and Gas	1 1/2	x	1 1/4	x	1 1/2
Steam	1 1/2	x	1 1/4	x	2
Steam	1 1/2	x	1 1/2	x	3/8
*Steam	1 1/2	x	1 1/2	x	1/2
*Steam and Gas	1 1/2	x	1 1/2	x	3/4
*Steam and Gas	1 1/2	x	1 1/2	x	1
*Steam and Gas	1 1/2	x	1 1/2	x	1 1/4
*Steam and Gas	1 1/2	x	1 1/2	x	1 1/2
*Steam	1 1/2	x	1 1/2	x	2
Steam	2	x	3/8	x	2
Steam	2	x	1/2	x	2
Steam	2	x	3/4	x	2
Steam	2	x	1	x	2
*Steam	2	x	1 1/4	x	1 1/4
Steam	2	x	1 1/4	x	1 1/2
Steam	2	x	1 1/2	x	2
Steam	2	x	1 1/2	x	1
*Steam	2	x	1 1/2	x	1 1/4
*Steam and Gas	2	x	1 1/2	x	1 1/2
*Steam and Gas	2	x	1 1/2	x	2
*Steam	2	x	2	x	1/2
*Steam and Gas	2	x	2	x	3/4
*Steam and Gas	2	x	2	x	1
*Steam and Gas	2	x	2	x	1 1/4
*Steam and Gas	2	x	2	x	1 1/2
*Steam and Gas	2	x	2	x	2
Steam	2	x	2	x	2 1/2

All above sizes carried in stock.

Those marked \* carried in stock Galvanized.

## STANDARD LIST OF MALLEABLE IRON FITTINGS

## TEES—CONTINUED

*Steam	2½	x	2½	x	1
Steam	2½	x	2½	x	1¼
Steam	2½	x	2½	x	1½
*Steam	2½	x	2½	x	2
*Steam	2½	x	2½	x	2½
Steam	3	x	3	x	1
Steam	3	x	3	x	1¼
Steam	3	x	3	x	1½
*Steam	3	x	3	x	2
*Steam	3	x	3	x	2½
*Steam	3	x	3	x	3
Steam	3½	x	3½	x	2½
Steam	3½	x	3½	x	3
Steam	3½	x	3½	x	3½
Steam	4	x	4	x	2
Steam	4	x	4	x	2½
Steam	4	x	4	x	3
Steam	4	x	4	x	3½
*Steam	4	x	4	x	4
Steam	4½	x	4½	x	4½
Steam	5	x	5	x	5
Steam	6	x	6	x	6

## DROP TEES

(FEMALE)

Gas	¾	x	¼	x	¼
Gas	¾	x	¾	x	¼
*Gas	¾	x	¾	x	¾
Gas	½	x	¾	x	¼
Gas	½	x	¾	x	¾
Gas	½	x	½	x	¼
*Gas	½	x	½	x	¾
*Gas	½	x	½	x	½
Gas	¾	x	½	x	¼
Gas	¾	x	½	x	¾
*Gas	¾	x	¾	x	¼
*Gas	¾	x	¾	x	¾
*Gas	¾	x	¾	x	½
*Gas	¾	x	¾	x	¾
Gas	1	x	¾	x	¾
Gas	1	x	1	x	¾
Gas	1	x	1	x	½
Gas	1	x	1	x	1

## DROP TEES

WITH DROP 2½ INCHES LONG

Gas	¾	x	¾	x	¾
-----	---	---	---	---	---

## DROP TEES

(MALE AND FEMALE)

Gas	¼	x	¼	x	¾
Gas	¾	x	¼	x	¾
*Gas	¾	x	¾	x	¾
Gas	½	x	¾	x	¾
*Gas	½	x	½	x	¾
Gas	¾	x	½	x	¾
Gas	¾	x	¾	x	¾
Gas	1	x	¾	x	¾
Gas	1	x	1	x	¾

## RETURN BENDS

(OPEN PATTERN)

SIZE	DISTANCE BETWEEN CENTERS
* ½	1½
* ¾	2
* 1	2½
* 1¼	3
* 1½	3½
* 2	4
* 2½	4½
* 3	5

## RETURN BENDS

(MEDIUM PATTERN)

SIZE	DISTANCE BETWEEN CENTERS
½	1¼
¾	1½
1	1⅞
1¼	2¼
1½	2½
2	3

## RETURN BENDS

(CLOSE PATTERN)

SIZE	DISTANCE BETWEEN CENTERS
* ½	1
* ¾	1¼
* 1	1½
* 1¼	1¾
* 1½	2⅓
* 2	2⅝

All above sizes carried in stock.

Those marked \* carried in stock Galvanized.

## STANDARD LIST OF MALLEABLE IRON FITTINGS

COUPLINGS  
(RIGHT HAND)

SIZE	SIZE	SIZE
* 1/4	* 1	2 1/2
* 3/8	* 1 1/4	3
* 1/2	* 1 1/2	3 1/2
* 3/4	* 2	4

COUPLINGS  
(RIGHT AND LEFT)

SIZE	SIZE
1/4	1
3/8	1 1/4
1/2	1 1/2
3/4	2

## REDUCING COUPLINGS

Gas	1/4 x 1/8
Gas	3/8 x 1/8
Steam and Gas	3/4 x 1/4
Gas	1/2 x 1/4
*Steam and Gas	1/2 x 3/8
Gas	3/4 x 1/4
Gas	3/4 x 3/8
Steam and Gas	3/4 x 1/2
Gas	1 x 1/4
Gas	1 x 3/8
*Gas	1 x 1/2
*Steam and Gas	1 x 3/4
Steam and Gas	1 1/4 x 3/8
*Steam and Gas	1 1/4 x 1/2
*Steam and Gas	1 1/4 x 3/4
*Steam and Gas	1 1/4 x 1
*Steam and Gas	1 1/2 x 1/2
*Steam and Gas	1 1/2 x 3/4
*Steam and Gas	1 1/2 x 1
*Steam and Gas	1 1/2 x 1 1/4
Steam and Gas	2 x 1/2
Steam and Gas	2 x 3/4
*Steam and Gas	2 x 1
*Steam and Gas	2 x 1 1/4
*Steam and Gas	2 x 1 1/2
Steam	2 1/2 x 1
*Steam	2 1/2 x 1 1/4
Steam and Gas	2 1/2 x 1 1/2
*Steam and Gas	2 1/2 x 2
Steam and Gas	3 x 1
Steam	3 x 1 1/4
*Steam	3 x 1 1/2
Steam and Gas	3 x 2
*Steam and Gas	3 x 2 1/2
Steam	3 1/2 x 2 1/2
*Steam	3 1/2 x 3
Steam	4 x 2
Steam	4 x 2 1/2
Steam	4 x 3
*Steam	4 x 3 1/2

## Y BENDS

Beaded	3/4
Beaded	1
Beaded and Plain	1 1/4
Beaded and Plain	1 1/2
Beaded and Plain	1 1/2 x 1 1/4
Beaded and Plain	2
Beaded and Plain	2 x 1 1/2
Beaded	2 1/2
Beaded	2 1/2 x 2
Beaded	3
Beaded	3 x 2 1/2

## 60° Y'S

Plain	1 1/2
Plain	2
Plain	2 x 1 1/2

## FOUR-WAY TEES

Gas	3/8
Gas	1/2
Gas	3/4
Gas	1
Gas	1 1/4
Gas	1 1/2
Gas	2

## CAPS

*Gas	1/4
*Gas	3/8
*Gas	1/2
*Steam and Gas	3/4
*Steam and Gas	1
*Steam and Gas	1 1/4
*Steam and Gas	1 1/2
*Steam and Gas	2
*Steam	2 1/2
*Steam	3
*Steam	3 1/2
*Steam	4

All above sizes carried in stock.

Those marked \* carried in stock Galvanized.



WROUGHT IRON NIPPLES

CLOSE



FIG. A-498.

THREADED  
RIGHT  
HAND

SHOULDER

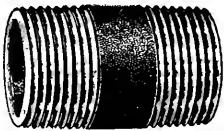


FIG. A-499.

BLACK

LENGTH, INCHES						SIZES	PRICES		PRICES OF EXTRA LONG NIPPLES											
CLOSE	SHORT	LONG					CLOSE OR SHORT	LONG	LENGTH, INCHES											
									4	5	6	7	8	9	10	11	12			
¾	1½	2	2½	3	3½	⅛	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19			
⅞	1½	2	2½	3	3½	¼	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19			
1	1½	2	2½	3	3½	⅜	.04	.06	.07	.08	.10	.12	.14	.15	.17	.18	.19			
1⅛	1½	2	2½	3	3½	½	.05	.07	.08	.10	.12	.14	.16	.18	.20	.22	.23			
1⅜	2	2½	3	3½	4	¾	.06	.09	---	.11	.13	.17	.18	.20	.22	.24	.26			
1½	2	2½	3	3½	4	1	.08	.13	---	.15	.18	.23	.25	.28	.31	.34	.36			
1⅝	2½	3	3½	4	4½	1¼	.11	.17	---	.20	.24	.29	.33	.36	.40	.44	.47			
1¾	2½	3	3½	4	4½	1½	.13	.20	---	.25	.29	.36	.40	.45	.50	.54	.59			
2	2½	3	3½	4	4½	2	.18	.27	---	.32	.38	.50	.54	.59	.65	.72	.77			
2½	3	3½	4	4½	5	2½	.39	.59	---	---	.68	.90	.97	1.06	1.17	1.26	1.35			
2½	3	3½	4	4½	5	3	.48	.72	---	---	.85	1.08	1.20	1.33	1.45	1.58	1.70			
2¾	4	4½	5	5½	6	3½	.75	1.05	---	---	---	1.30	1.45	1.60	1.75	1.90	2.05			
3	4	4½	5	5½	6	4	.85	1.20	---	---	---	1.52	1.69	1.87	2.05	2.22	2.40			
3	4	4½	5	5½	6	4½	1.25	1.70	---	---	---	2.25	2.50	2.75	2.95	3.17	3.40			
3½	4½	5	5½	6	6½	5	1.55	2.45	---	---	---	2.58	2.83	3.10	3.35	3.60	3.85			
3½	4½	5	5½	6	6½	6	1.85	2.90	---	---	---	3.05	3.35	3.70	4.00	4.30	4.65			

GALVANIZED

LENGTH, INCHES						SIZES	PRICES		PRICES OF EXTRA LONG GALVANIZED NIPPLES									
CLOSE	SHORT	LONG					CLOSE OR SHORT	LONG	LENGTH, INCHES									
									4	5	6	7	8	9	10	11	12	
¾	1½	2	2½	3	3½	⅛	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34	
⅞	1½	2	2½	3	3½	¼	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34	
1	1½	2	2½	3	3½	⅜	.06	.11	.12	.15	.17	.21	.24	.26	.29	.31	.34	
1⅛	1½	2	2½	3	3½	½	.06	.11	.13	.16	.18	.23	.26	.28	.31	.33	.36	
1⅜	2	2½	3	3½	4	¾	.08	.14	--	.18	.21	.26	.29	.32	.35	.38	.41	
1½	2	2½	3	3½	4	1	.11	.19	--	.24	.28	.34	.38	.42	.47	.51	.55	
1⅝	2½	3	3½	4	4½	1¼	.17	.29	--	.32	.38	.45	.51	.57	.63	.69	.75	
1¾	2½	3	3½	4	4½	1½	.21	.35	--	.39	.46	.55	.63	.70	.77	.84	.91	
2	2½	3	3½	4	4½	2	.27	.47	--	.52	.61	.74	.83	.93	1.03	1.13	1.23	
2½	3	3½	4	4½	5	2½	.56	.86	--	--	1.00	1.26	1.41	1.56	1.71	1.86	2.01	
2½	3	3½	4	4½	5	3	.70	1.10	--	--	1.30	1.60	1.80	2.00	2.20	2.40	2.60	
2¾	4	4½	5	5½	6	3½	1.20	1.70	--	--	--	2.10	2.35	2.60	2.85	3.15	3.40	
3	4	4½	5	5½	6	4	1.35	1.87	--	--	--	2.30	2.60	2.90	3.20	3.50	3.80	
3	4	4½	5	5½	6	4½	1.85	2.60	--	--	--	3.30	3.65	4.05	4.45	4.85	5.25	
3½	4½	5	5½	6	6½	5	2.30	3.15	--	--	--	3.75	4.20	4.60	5.00	5.40	5.85	
3¾	4½	5	5½	6	6½	6	2.80	4.25	--	--	--	4.50	5.00	5.55	6.05	6.60	7.15	

WROUGHT IRON NIPPLES

RIGHT AND LEFT

LENGTH, INCHES						SIZES	PRICES		PRICES OF EXTRA LONG RIGHT AND LEFT NIPPLES										
CLOSE	SHORT	LONG					CLOSE OR SHORT	LONG	LENGTH, INCHES										
									4	5	6	7	8	9	10	11	12		
¾	1½	2	2½	3	3½	⅛	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27		
⅞	1½	2	2½	3	3½	¼	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27		
1	1½	2	2½	3	3½	⅜	.05	.08	.09	.11	.13	.16	.18	.20	.23	.25	.27		
1⅛	1½	2	2½	3	3½	½	.07	.10	.11	.13	.16	.18	.21	.24	.27	.29	.31		
1⅜	2	2½	3	3½	4	¾	.08	.12	---	.15	.17	.23	.25	.27	.29	.32	.35		
1½	2	2½	3	3½	4	1	.11	.18	---	.20	.24	.31	.33	.37	.41	.45	.48		
1⅝	2½	3	3½	4	4½	1¼	.15	.23	---	.27	.32	.39	.45	.50	.55	.60	.65		
1¾	2½	3	3½	4	4½	1½	.18	.27	---	.34	.39	.48	.52	.60	.67	.72	.80		
2	2½	3	3½	4	4½	2	.24	.36	---	.43	.51	.67	.72	.80	.87	.96	1.03		
2½	3	3½	4	4½	5	2½	.52	.79	---	---	.91	1.20	1.30	1.40	1.55	1.68	1.80		
2½	3	3½	4	4½	5	3	.65	.96	---	---	1.13	1.44	1.60	1.77	1.93	2.10	2.27		
2¾	4	4½	5	5½	6	3½	1.00	1.40	---	---	---	1.75	1.95	2.15	2.35	2.55	2.75		
3	4	4½	5	5½	6	4	1.15	1.60	---	---	---	2.00	2.25	2.50	2.75	3.00	3.25		

Add 60 per cent to above prices for Galvanized Nipples threaded Right and Left.

LONG SCREWS

WITH FACED COUPLING AND LOCK NUT

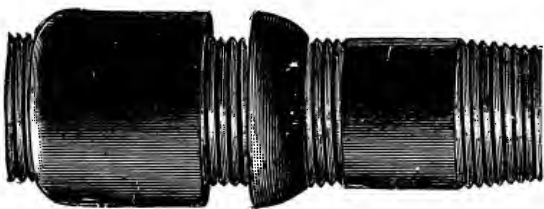


FIG. A—500.

Size ----- Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Standard Length ----- Inches	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	7	8
Black ----- Each	.30	.35	.40	.55	.75	1.00	1.30	1.70	2.70	3.70
Galvanized ----- Each	.35	.40	.50	.66	1.00	1.25	1.60	2.10	3.10	4.70

TANK NIPPLES

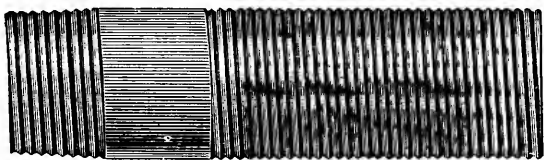


FIG. A—501.

Size ----- Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Length ----- Inches	6	6	6	6	6	6	6	6	6	6
Black ----- Each	.25	.25	.25	.25	.35	.45	.50	.65	1.10	1.50
Galvanized ----- Each	.35	.35	.35	.35	.45	.60	.70	.90	1.45	2.00

CAST IRON ELBOWS



FIG. A-502.

Size .....	Inches	¼	⅜	½	¾	1	1¼	1½	2	2½	3
Right Hand, Black .....	Each	.05	.05	.06	.08	.10 ½	.16	.20	.28	.50	.75
Right Hand, Galvanized .....	Each	.10	.10	.12	.16	.21	.32	.40	.56	1.00	1.50
Right and Left .....	Each	.06	.06	.07	.09	.12	.18	.23	.32	.60	.85
Pitched, Black .....	Each				.10	.13	.20	.25	.35	.65	1.00
Size .....	Inches	3½	4	4½	5	6	7	8	9	10	12
Right Hand, Black .....	Each	1.05	1.20	1.75	2.00	2.75	4.70	6.75	9.00	13.50	20.00
Right Hand, Galvanized .....	Each	2.10	2.40	3.50	4.00	5.50	9.40	13.50	18.00	27.00	40.00
Pitched, Black .....	Each	1.30	1.50								

CAST IRON REDUCING ELBOWS

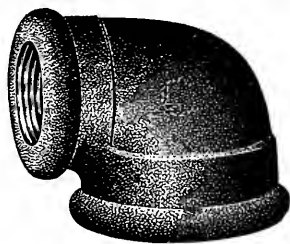


FIG. A-503.

Size .....	Inches	½	¾	1	1¼	1½	2	2½	3	3½
Black .....	Each	.07	.09	.12	.18	.23	.32	.60	.85	1.20
Galvanized .....	Each	.14	.18	.24	.36	.46	.64	1.20	1.70	2.40
Size .....	Inches	4	4½	5	6	7	8	9	10	12
Black .....	Each	1.40	2.00	2.30	3.15	5.40	7.75	10.50	15.50	23.00
Galvanized .....	Each	2.80	4.00	4.60	6.30	10.80	15.50	21.00	31.00	46.00

CAST IRON 45° ELBOWS



FIG. A-504.

Size .....	Inches	⅜	½	¾	1	1¼	1½	2	2½	3	3½
Black .....	Each	.06	.07	.10	.12	.19	.24	.34	.60	.90	1.25
Galvanized .....	Each	.12	.14	.20	.24	.38	.48	.68	1.20	1.80	2.50
Size .....	Inches	4	4½	5	6	7	8	9	10	12	14
Black .....	Each	1.45	2.20	2.50	3.45	5.90	8.50	11.25	17.00	25.00	50.00
Galvanized .....	Each	2.90	4.40	5.00	6.90	11.80	17.00	22.50	34.00	50.00	100.00

CAST IRON TEES

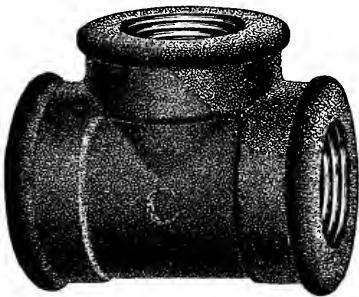


FIG. A—505.

Size-----Inches	¼	⅜	½	¾	1	1¼	1½	2	2½	3
Black ----- Each	.08	.08	.09	.12	.15	.23	.29	.41	.73	1.10
Galvanized ----- Each	.16	.16	.18	.24	.30	.46	.58	.82	1.46	2.20
Size-----Inches	3½	4	4½	5	6	7	8	9	10	12
Black ----- Each	1.50	1.75	2.55	3.00	4.00	6.80	9.75	13.00	19.50	29.00
Galvanized ----- Each	3.00	3.50	5.10	6.00	8.00	13.60	19.50	26.00	39.00	58.00

CAST IRON REDUCING TEES



FIG. A—506.

Size-----Inches	½	¾	1	1¼	1½	2	2½	3	3½
Black ----- Each	.10	.14	.17	.27	.33	.47	.83	1.25	1.75
Galvanized ----- Each	.20	.28	.34	.54	.66	.94	1.66	2.50	3.50
Size-----Inches	4	4½	5	6	7	8	9	10	12
Black ----- Each	2.00	2.95	3.50	4.60	7.80	11.25	15.00	22.50	33.50
Galvanized ----- Each	4.00	5.90	7.00	9.20	15.60	22.50	30.00	45.00	67.00

CAST IRON REDUCERS



FIG. A—507.

Size-----Inches	2	2½	3	3½	4	4½	5	6	7	8	9	10	12
Black ----- Each	.43	.60	.80	1.00	1.35	1.85	2.00	2.70	5.35	6.75	8.35	10.00	15.00
Galvanized ----- Each	.86	1.20	1.60	2.00	2.70	3.70	4.00	5.40	10.70	13.50	16.70	20.00	30.00

CAST IRON CROSSES

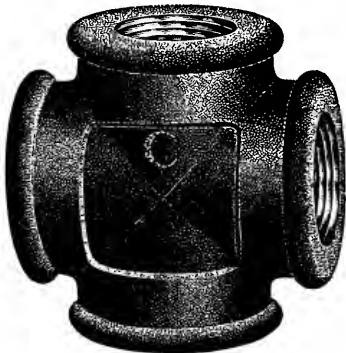


FIG. A-508.

Size-----Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$
Black-----Each	.16	.22	.27	.42	.53	.75	1.30	2.00	2.70
Galvanized-----Each	.32	.44	.54	.84	1.06	1.50	2.60	4.00	5.40
Size-----Inches	4	$4\frac{1}{2}$	5	6	7	8	9	10	12
Black-----Each	3.15	4.60	5.50	7.25	12.25	17.50	23.50	35.00	52.50
Galvanized-----Each	6.30	9.20	11.00	14.50	24.50	35.00	47.00	70.00	105.00

REDUCING CAST IRON CROSSES



FIG. A-509.

Size-----Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$
Black-----Each	.18	.25	.30	.46	.60	.83	1.45	2.20	3.00
Galvanized-----Each	.36	.50	.60	.92	1.20	1.66	2.90	4.40	6.00
Size-----Inches	4	$4\frac{1}{2}$	5	6	7	8	9	10	12
Black-----Each	3.50	5.10	6.00	8.00	13.50	19.25	26.00	38.50	58.00
Galvanized-----Each	7.00	10.20	12.00	16.00	27.00	38.50	52.00	77.00	116.00

CAST IRON "Y" BRANCHES



FIG. A-510.

Size-----Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6
Black-----Each	.20	.28	.34	.54	.66	.94	1.66	2.50	3.50	4.00	5.90	7.00	9.20
Galvanized-----Each	.40	.56	.68	1.08	1.32	1.88	3.32	5.00	7.00	8.00	11.80	14.00	18.40
Reducing-----Each	.23	.33	.40	.62	.76	1.08	1.90	2.90	4.00	4.60	6.80	8.00	10.60

CAST IRON CAPS

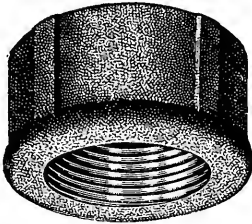


FIG. A-511.

Size -----Inches	2	2½	3	3½	4	4½	5	6	7	8	9	10	12
Black -----Each	.26	.40	.54	.75	.87	1.05	1.20	1.55	2.50	2.85	4.75	5.50	7.00
Galvanized -----Each	.52	.80	1.08	1.50	1.74	2.10	2.40	3.10	5.00	5.70	9.50	11.00	14.00

CAST IRON BUSHINGS

REGULAR

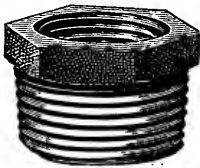


FIG. A-512.

REDUCING TWO OR MORE SIZES, UP TO, AND  
INCLUDING 2½ INCHES

REDUCING ONE OR MORE SIZES, THREE  
INCH, AND LARGER

FACED

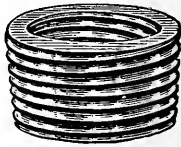


FIG. A-513.

Size -----Inches	½	¾	1	1¼	1½	2	2½	3	3½
Regular, Black -----Each	.04	.05	.06	.07	.09	.14	.21	.30	.40
Regular, Galvanized -----Each	.08	.10	.12	.14	.18	.28	.42	.60	.80
Faced (reducing two or more sizes)-----Each	.09	.11	.13	.17	.22	.32	.48	.70	1.20
Size -----Inches	4	4½	5	6	7	8	9	10	12
Regular, Black -----Each	.50	.75	.93	1.25	1.87	2.75	3.25	3.75	5.00
Regular, Galvanized -----Each	1.00	1.50	1.85	2.50	3.75	5.50	6.50	7.50	10.00
Faced (reducing two or more sizes)-----Each	1.50	2.10	2.60						

NOTE—Bushings reducing one size only, up to and including 2½ inch, are Malleable, and will be found listed among the Malleable Fittings.

CAST IRON PLUGS

REGULAR



FIG. A-514.

COUNTERSUNK

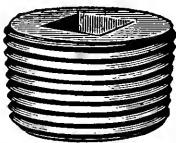


FIG. A-515.

Sizes -----Inches	¼	⅜	½	¾	1	1¼	1½	2	2½	3
Regular, Black -----Each	.02	.02	.02	.03	.04	.05	.07	.10	.18	.25
Regular, Galvanized -----Each	.04	.04	.04	.06	.08	.10	.14	.20	.36	.50
Countersunk -----Each			.04	.06	.08	.09	.11	.15		
Left Hand -----Each				.06	.08	.09	.11	.15		
Solid -----Each	.04	.04	.04	.06	.08	.09	.11	.15	.27	.38
Size -----Inches	3½	4	4½	5	6	7	8	9	10	12
Regular, Black -----Each	.38	.42	.65	.88	1.20	1.85	2.75	3.25	3.75	5.00
Regular, Galvanized -----Each	.76	.84	1.30	1.75	2.40	3.70	5.50	6.50	7.50	10.00
Solid -----Each	.57	.63	1.00	1.35	1.80	2.80	4.15	5.00	5.75	7.50

CAST IRON RETURN BENDS

CLOSE PATTERN

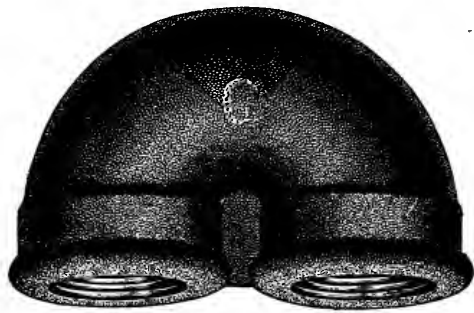


FIG. A-516.

WIDE PATTERN



FIG. A-517.

CLOSE PATTERN

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Center to Center .....	Inches	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$	$2\frac{1}{2}$	$3\frac{1}{4}$	$3\frac{3}{4}$	$4\frac{1}{2}$
Right Hand, Black .....	Each	.18	.20	.22	.28	.40	.57	1.20	1.70
Right Hand, Galvanized .....	Each	.36	.40	.44	.56	.80	1.14	2.40	3.40
Right and Left .....	Each	.21	.23	.26	.33	.46	.66	1.40	1.95

OPEN PATTERN

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Center to Center .....	Inches	$1\frac{1}{8}$	$2\frac{3}{8}$	3	$3\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$
Right Hand, Black .....	Each	.26	.30	.40	.55	.80	1.35	2.20
Right Hand, Galvanized .....	Each	.52	.60	.80	1.10	1.60	2.70	4.40
Right and Left .....	Each	.30	.35	.46	.64	.92	1.55	2.50

WIDE PATTERN

Size .....	Inches	1	1	1	1	1	$1\frac{1}{4}$	$1\frac{1}{4}$
Center to Center .....	Inches	3	4	5	6	8	4	6
Right Hand, Black .....	Each	.45	.50	.60	.75	1.00	1.00	1.25
Right Hand, Galvanized .....	Each	.80	.90	1.10	1.30	1.60	1.75	2.00
Size .....	Inches	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2	4	4
Center to Center .....	Inches	$4\frac{7}{8}$	6	8	$4\frac{7}{8}$	6	$7\frac{1}{2}$	11
Right Hand, Black .....	Each	1.30	1.60	2.00	1.75	2.00	6.50	7.50
Right Hand, Galvanized .....	Each	2.30	2.60	3.25	3.00	3.25	10.00	11.00

CLOSE PATTERN, PITCHED

SUITABLE FOR COILS, AS PER TABLE BELOW

Size .....	Inches	1	1	1	1	1	$1\frac{1}{4}$	$1\frac{1}{4}$
Length of Pipe in Coil .....	Feet	3	4	5	6	8	4	5
Right Hand .....	Each	.26	.26	.26	.26	.26	.33	.33
Right and Left .....	Each	.26	.26	.26	.26	.26	.33	.33

Right and Left Pitched Return Bends are made to order.

CAST IRON LOCK NUTS

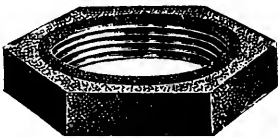


FIG. A-518.

Size .....	Inches	2	2½	3	3½	4	4½	5	6	7	8
Black - .....	Each	.25	.27	.34	.47	.64	.85	.90	1.30	1.70	2.35
Galvanized .....	Each	.50	.54	.68	.94	1.28	1.70	1.80	2.60	3.40	4.70

CAST IRON ECCENTRIC BUSHINGS

REDUCING TWO OR MORE SIZES



FIG. A-519.

Size .....	Inches	2	2½	3	3½	4	4½	5	6	7	8
Price .....	Each	.27	.42	.60	.80	1.00	1.50	1.85	2.50	3.75	5.50

CAST IRON ECCENTRIC OFFSET REDUCING COUPLINGS

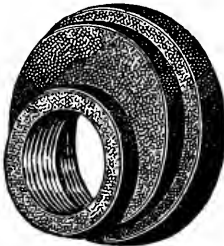


FIG. A-520.

Size .....	Inches	2x1½	2½x1¼	2½x1½	2½x2	3x2	3x2½
Price .....	Each	1.00	1.50	1.50	1.50	2.40	2.40
Size .....	Inches	3½x3	3½x2½	4x3½	4x3	5x4	6x4
Price .....	Each	3.00	3.00	4.00	4.00	6.00	8.00

CAST IRON ECCENTRIC TEES

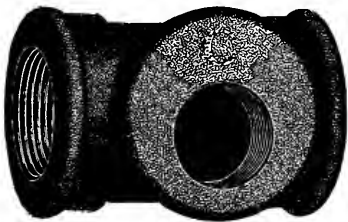


FIG. A-521.



FIG. A-522.

These Fittings are designed to prevent the accumulation and lodgment of condensation. Orders must be accompanied with a sketch, showing position in which the Fitting is to be placed.

PRICES ON APPLICATION



CAST IRON FLANGE UNIONS

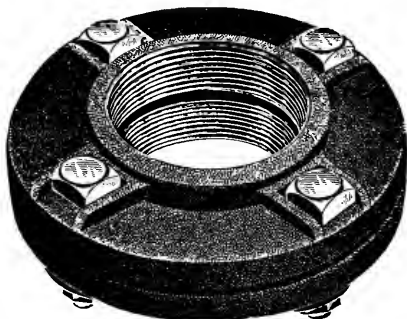


FIG. A-523.

STANDARD FLANGE UNIONS

Size ----- Inches	½	¾	1	1¼	1½	2	2½	3	3½
Diameter of Flange --- Inches	3	3¼	3½	4⅛	4¾	5⅛	5⅝	6⅝	6¾
Number of Bolts in each -----	3	3	4	4	4	4	4	4	4
Black ----- Each	.40	.46	.52	.64	.78	1.00	1.25	1.50	1.80
Galvanized ----- Each	.80	.92	1.04	1.28	1.56	2.00	2.50	3.00	3.60
Size ----- Inches	4	4½	5	6	7	8	9	10	12
Diameter of Flange --- Inches	7½	8¼	9¼	10¼	12	13	14	16	18
Number of Bolts in each -----	4	4	5	6	6	8	8	10	10
Black ----- Each	2.10	2.70	3.15	3.95	5.50	7.00	10.00	11.50	16.00
Galvanized ----- Each	4.20	5.40	6.30	7.90	11.00	14.00	20.00	23.00	32.00

EXTRA HEAVY CAST IRON FLANGE UNIONS

Size ----- Inches	¾	1	1¼	1½	2	2½	3
Diameter of Flange ----- Inches	3¼	3⅝	4⅛	4⅝	5⅜	6	6¾
Number of Bolts in Each -----	4	4	4	4	5	5	6
Price ----- Each	.70	.80	1.00	1.15	1.50	1.90	2.25
Size ----- Inches	3½	4	4½	5	6	7	8
Diameter of Flange ----- Inches	7⅝	8	8⅝	9⅝	10¾	12	13¼
Number of Bolts in each -----	6	7	8	8	9	10	10
Price ----- Each	2.70	3.15	4.00	4.75	6.00	8.25	10.50

CAST IRON FLANGES

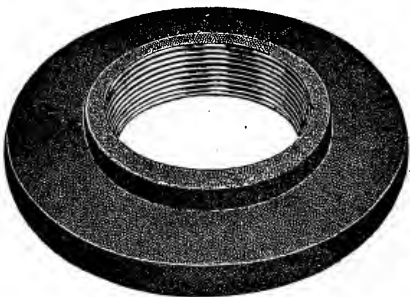


FIG. A-524.

SIZE, PIPE INCHES	3⁄8	1⁄2	3⁄4	1	1¼	1½	2	2½	3	3½	4	4½	5	6	7	8	9	10	12
DIAMETER INCHES																			
3	.10	.10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3½	.15	.15	.15	.15	.16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4	.22	.22	.22	.16	.16	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4½	.25	.25	.25	.25	.25	.22	---	---	---	---	---	---	---	---	---	---	---	---	---
5	.35	.35	.30	.30	.30	.30	.35	---	---	---	---	---	---	---	---	---	---	---	---
5½	.45	.45	.45	.40	.40	.40	.35	.40	---	---	---	---	---	---	---	---	---	---	---
6	.50	.50	.50	.42	.40	.40	.42	.42	.50	---	---	---	---	---	---	---	---	---	---
6½	---	.65	.60	.60	.60	.55	.50	.50	.50	.65	---	---	---	---	---	---	---	---	---
7	---	.75	.75	.75	.70	.70	.62	.62	.62	.75	---	---	---	---	---	---	---	---	---
7½	---	.90	.90	.90	.85	.85	.80	.80	.75	.85	.90	---	---	---	---	---	---	---	---
8	---	1.00	1.00	1.00	.95	.95	.90	.90	.90	.90	.90	---	---	---	---	---	---	---	---
8½	---	1.25	1.25	1.25	1.15	1.15	1.10	1.10	1.10	1.00	1.00	---	---	---	---	---	---	---	---
9	---	---	---	1.35	1.35	1.35	1.30	1.25	1.15	1.15	1.15	1.15	1.15	1.40	---	---	---	---	---
9½	---	---	---	---	1.90	1.90	1.75	1.75	1.60	1.60	1.50	1.25	1.50	1.50	---	---	---	---	---
10	---	---	---	---	2.25	2.25	2.15	2.00	1.80	1.50	1.50	1.50	1.50	1.50	---	---	---	---	---
11	---	---	---	---	---	---	2.50	2.50	2.25	2.25	2.00	1.75	1.75	1.75	2.20	---	---	---	---
12	---	---	---	---	---	---	---	3.00	3.00	2.75	2.50	2.50	2.20	2.20	2.20	2.80	---	---	---
13	---	---	---	---	---	---	---	---	3.50	3.50	3.25	3.00	3.00	2.80	2.80	2.80	---	---	---
14	---	---	---	---	---	---	---	---	4.00	4.00	3.75	3.75	3.50	3.25	3.25	3.25	3.75	4.00	---
15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.00	4.00	4.00	4.50	---
16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.00	5.00	5.00	5.00	6.00
17	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.50	6.50	5.75	5.75	7.00
18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.00	8.00	7.00	7.00
19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.50	7.50
20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.50

CAST IRON DRILLED FLOOR FLANGES



FIG. A-525.

Size Pipe.....Inches	3⁄8	1⁄2	3⁄4	1	1¼	1½	2
Diameter Flange.....Inches	3	3½	3½	4	4	4½	5½
Price.....Each	.10	.15	.15	.16	.16	.22	.35

CAST IRON BACK OUTLET RETURN BENDS



FIG. A—526.

Size.....Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Center to Center.....Inches	$1\frac{7}{8}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{2}$	$3\frac{1}{4}$	$3\frac{3}{4}$	$4\frac{1}{4}$
Right Hand, Black ... Each	.38	.42	.60	.80	1.15	2.00	3.00
Right Hand, Galvanized.....Each	.76	.84	1.20	1.60	2.30	4.00	6.00
Right and Left.....Each	.42	.48	.70	.95	1.30	2.30	3.50

The Back Outlet of Right and Left Return Bends is always tapped right hand.

CAST IRON OFFSETS



FIG. A—527.

Size.....Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
To Offset $1\frac{7}{8}$ inches.....Each	.45										
To Offset $2\frac{1}{4}$ inches.....Each		.70	.70								
To Offset $2\frac{1}{2}$ inches.....Each				1.20							
To Offset $3\frac{1}{4}$ inches.....Each					1.80						
To Offset $3\frac{3}{4}$ inches.....Each						3.00					
To Offset 4 inches.....Each	.45	.70	1.00	1.20	1.80	3.00	4.00	5.00	6.00	8.00	10.00
To Offset $4\frac{1}{2}$ inches.....Each							4.00				
To Offset 6 inches.....Each	.67	1.05	1.50	1.80	2.70	4.50	6.00	7.50	9.00	12.00	15.00
To Offset 8 inches.....Each	.90	1.40	2.00	2.40	3.60	6.00	8.00	10.00	12.00	16.00	20.00

CAST IRON LONG RADIUS ELBOWS



FIG. A-528.

Size ---- . Inches	1	1¼	1½	2	2½	3	3½	4	4½	5	6
Straight ---- Each	.32	.40	.55	.80	1.20	2.25	3.25	3.50	5.50	6.50	8.75
Reducing --- Each	.48	.60	.83	1.20	1.80	3.38	4.88	5.25	8.25	9.75	13.13

CAST IRON LONG RADIUS DOUBLE BRANCH ELBOWS

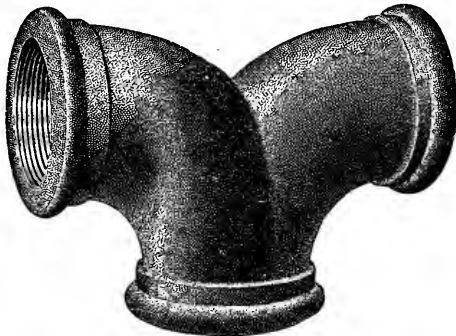


FIG. A-529.

Size ---- . Inches	1	1¼	1½	2	2½	3	3½	4	4½	5	6
Straight - --- Each	.64	.80	1.10	1.60	2.40	4.50	6.50	7.00	11.00	13.00	17.50
Reducing --- Each	.96	1.20	1.65	2.40	3.60	6.75	9.75	10.50	16.50	19.50	26.25

CAST IRON LONG RADIUS TEES



FIG. A-530.

Size ---- . Inches	1	1¼	1½	2	2½	3	3½	4	4½	5	6
Straight ---- Each	.48	.60	.82	1.20	1.80	3.40	4.90	5.25	8.25	9.75	13.25
Reducing --- Each	.72	.90	1.23	1.80	2.70	5.10	7.35	7.88	12.38	14.63	19.88

**LIST OF STANDARD SIZES  
OF  
CAST IRON FITTINGS  
ELBOWS**

SIZE	SIZE	SIZE	SIZE
$\frac{1}{4}$ x $\frac{1}{4}$	$1\frac{1}{2}$ x $1\frac{1}{2}$	$3\frac{1}{2}$ x $3\frac{1}{2}$	6 x 6
$\frac{3}{8}$ x $\frac{3}{8}$	$1\frac{1}{2}$ x $1\frac{1}{4}$	$3\frac{1}{2}$ x 3	6 x 5
	$1\frac{1}{2}$ x 1		6 x 4
$\frac{1}{2}$ x $\frac{1}{2}$	$1\frac{1}{2}$ x $\frac{3}{4}$	4 x 4	
$\frac{1}{2}$ x $\frac{3}{8}$		4 x $3\frac{1}{2}$	7 x 7
	2 x 2	4 x 3	7 x 6
$\frac{3}{4}$ x $\frac{3}{4}$	2 x $1\frac{1}{2}$	4 x $2\frac{1}{2}$	
$\frac{3}{4}$ x $\frac{1}{2}$	2 x $1\frac{1}{4}$	4 x 2	8 x 8
	2 x 1		8 x 6
1 x 1		$4\frac{1}{2}$ x $4\frac{1}{2}$	
1 x $\frac{3}{4}$	$2\frac{1}{2}$ x $2\frac{1}{2}$	$4\frac{1}{2}$ x 4	9 x 9
1 x $\frac{1}{2}$	$2\frac{1}{2}$ x 2		
	$2\frac{1}{2}$ x $1\frac{1}{2}$	5 x 5	10 x 10
$1\frac{1}{4}$ x $1\frac{1}{4}$		5 x 4	
$1\frac{1}{4}$ x 1	3 x 3	5 x 3	12 x 12
$1\frac{1}{4}$ x $\frac{3}{4}$	3 x $2\frac{1}{2}$		
$1\frac{1}{4}$ x $\frac{1}{2}$	3 x 2		

**45° ELBOWS**

Sizes— $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3,  $3\frac{1}{2}$ , 4,  $4\frac{1}{2}$ , 5, 6, 7, 8, 9, 10, 12

**PITCHED ELBOWS**

SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
1 x 1	$1\frac{1}{4}$ x $1\frac{1}{4}$	$1\frac{1}{2}$ x $1\frac{1}{2}$	2 x 2	$2\frac{1}{2}$ x $2\frac{1}{2}$	3 x 3
1 x $\frac{3}{4}$	$1\frac{1}{4}$ x 1	$1\frac{1}{2}$ x $1\frac{1}{4}$	2 x $1\frac{1}{2}$	$2\frac{1}{2}$ x 2	3 x 2

**RIGHT AND LEFT ELBOWS**

Sizes— $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3

**TEES**

SIZE	SIZE	SIZE	SIZE
$\frac{1}{4}$ x $\frac{1}{4}$ x $\frac{1}{4}$	$\frac{3}{4}$ x $\frac{3}{4}$ x 2	1 x 1 x 2	1 x $\frac{1}{2}$ x 1
	$\frac{3}{4}$ x $\frac{3}{4}$ x $1\frac{1}{2}$	1 x 1 x $1\frac{1}{2}$	1 x $\frac{1}{2}$ x $\frac{3}{4}$
$\frac{3}{8}$ x $\frac{3}{8}$ x $\frac{3}{8}$	$\frac{3}{4}$ x $\frac{3}{4}$ x $1\frac{1}{4}$	1 x 1 x $1\frac{1}{4}$	1 x $\frac{1}{2}$ x $\frac{1}{2}$
$\frac{3}{8}$ x $\frac{3}{8}$ x $\frac{1}{2}$	$\frac{3}{4}$ x $\frac{3}{4}$ x 1	1 x 1 x 1	
	$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$	1 x 1 x $\frac{3}{4}$	1 x $\frac{3}{8}$ x 1
$\frac{1}{2}$ x $\frac{1}{2}$ x 1	$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{1}{2}$	1 x 1 x $\frac{1}{2}$	
$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{3}{4}$	$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{8}$	1 x 1 x $\frac{3}{8}$	1 x $\frac{1}{4}$ x 1
$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$			
$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{3}{8}$	$\frac{3}{4}$ x $\frac{1}{2}$ x 1	1 x $\frac{3}{4}$ x 2	$1\frac{1}{4}$ x $1\frac{1}{4}$ x 2
	$\frac{3}{4}$ x $\frac{1}{2}$ x $\frac{3}{4}$	1 x $\frac{3}{4}$ x $1\frac{1}{2}$	$1\frac{1}{4}$ x $1\frac{1}{4}$ x $1\frac{1}{2}$
$\frac{1}{2}$ x $\frac{3}{8}$ x $\frac{1}{2}$	$\frac{3}{4}$ x $\frac{1}{2}$ x $\frac{1}{2}$	1 x $\frac{3}{4}$ x $1\frac{1}{4}$	$1\frac{1}{4}$ x $1\frac{1}{4}$ x $1\frac{1}{4}$
$\frac{1}{2}$ x $\frac{3}{8}$ x $\frac{3}{8}$		1 x $\frac{3}{4}$ x 1	$1\frac{1}{4}$ x $1\frac{1}{4}$ x 1
	$\frac{3}{4}$ x $\frac{3}{8}$ x $\frac{3}{4}$	1 x $\frac{3}{4}$ x $\frac{3}{4}$	$1\frac{1}{4}$ x $1\frac{1}{4}$ x $\frac{3}{4}$
	$\frac{3}{4}$ x $\frac{3}{8}$ x $\frac{3}{8}$	1 x $\frac{3}{4}$ x $\frac{1}{2}$	$1\frac{1}{4}$ x $1\frac{1}{4}$ x $\frac{1}{2}$

# LIST OF STANDARD SIZES

## OF

### CAST IRON FITTINGS

#### TEES—CONTINUED

SIZE	SIZE	SIZE	SIZE
1¼ x 1 x 2	2 x 1½ x 2½	3 x 3 x 4	4 x 4 x 6
1¼ x 1 x 1½	2 x 1½ x 2	3 x 3 x 3½	4 x 4 x 5
1¼ x 1 x 1¼	2 x 1½ x 1½	3 x 3 x 3	4 x 4 x 4
1¼ x 1 x 1	2 x 1½ x 1¼	3 x 3 x 2½	4 x 4 x 3½
1¼ x 1 x ¾	2 x 1½ x 1	3 x 3 x 2	4 x 4 x 3
1¼ x 1 x ½	2 x 1½ x ¾	3 x 3 x 1½	4 x 4 x 2½
1¼ x ¾ x 2	2 x 1½ x ½	3 x 3 x 1¼	4 x 4 x 2
1¼ x ¾ x 1½	2 x 1¼ x 2	3 x 3 x 1	4 x 4 x 1½
1¼ x ¾ x 1¼	2 x 1¼ x 1½	3 x 3 x ¾	4 x 4 x 1¼
1¼ x ¾ x 1	2 x 1¼ x 1¼	3 x 2½ x 3	4 x 4 x 1
1¼ x ¾ x ¾	2 x 1¼ x 1	3 x 2½ x 2½	4 x 4 x ¾
1¼ x ½ x 1½	2 x 1¼ x ¾	3 x 2½ x 2	4 x 3½ x 4
1¼ x ½ x 1¼	2 x 1 x 2	3 x 2½ x 1½	4 x 3½ x 3½
1½ x 1½ x 2½	2 x 1 x 1½	3 x 2½ x 1¼	4 x 3½ x 3
1½ x 1½ x 2	2 x 1 x 1¼	3 x 2½ x 1	4 x 3½ x 2½
1½ x 1½ x 1½	2 x 1 x 1	3 x 2 x 3	4 x 3½ x 2
1½ x 1½ x 1¼	2 x 1 x ¾	3 x 2 x 2½	4 x 3½ x 1½
1½ x 1½ x 1	2 x ¾ x 2	3 x 2 x 2	4 x 3½ x 1¼
1½ x 1½ x ¾	2 x ¾ x 1½	3 x 2 x 1½	4 x 3 x 4
1½ x 1½ x ½	2 x ½ x 2	3 x 2 x 1¼	4 x 3 x 3½
1½ x 1¼ x 2	2½ x 2½ x 4	3 x 2 x 1	4 x 3 x 3
1½ x 1¼ x 1½	2½ x 2½ x 3	3 x 1½ x 3	4 x 3 x 2½
1½ x 1¼ x 1¼	2½ x 2½ x 2½	3 x 1½ x 2½	4 x 3 x 2
1½ x 1¼ x 1	2½ x 2½ x 2	3 x 1¼ x 3	4 x 3 x 1½
1½ x 1¼ x ¾	2½ x 2½ x 1½	3 x 1 x 3	4 x 3 x 1¼
1½ x 1¼ x ½	2½ x 2½ x 1¼	3½ x 3½ x 4	4 x 3 x 1
1½ x 1 x 2	2½ x 2½ x 1	3½ x 3½ x 3½	4 x 3 x ¾
1½ x 1 x 1½	2½ x 2½ x ¾	3½ x 3½ x 3	4 x 2½ x 4
1½ x 1 x 1¼	2½ x 2½ x ½	3½ x 3½ x 2½	4 x 2½ x 3
1½ x 1 x 1	2½ x 2 x 3	3½ x 3½ x 2	4 x 2½ x 2½
1½ x 1 x ¾	2½ x 2 x 2½	3½ x 3½ x 1½	4 x 2½ x 2
1½ x 1 x ½	2½ x 2 x 2	3½ x 3½ x 1¼	4 x 2½ x 1½
1½ x ¾ x 2	2½ x 2 x 1½	3½ x 3½ x 1	4 x 2½ x 1
1½ x ¾ x 1½	2½ x 2 x 1¼	3½ x 3 x 3	4 x 2 x 4
1½ x ¾ x 1¼	2½ x 2 x 1	3½ x 3 x 2½	4 x 2 x 3
1½ x ¾ x 1	2½ x 2 x ¾	3½ x 3 x 2	4 x 2 x 2½
1½ x ¾ x ¾	2½ x 2 x ½	3½ x 3 x 1½	4 x 2 x 2
1½ x ½ x 1½	2½ x 1½ x 2½	3½ x 3 x 1¼	4 x 2 x 1½
1½ x ½ x 1¼	2½ x 1½ x 2	3½ x 2½ x 3	4 x 1½ x 4
2 x 2 x 3	2½ x 1½ x 1½	3½ x 2½ x 2½	4 x 1¼ x 4
2 x 2 x 2½	2½ x 1½ x 1¼	3½ x 2½ x 2	4 x 1 x 4
2 x 2 x 2	2½ x 1½ x 1	3½ x 2 x 3½	5 x 5 x 6
2 x 2 x 1½	2½ x 1¼ x 2½	3½ x 1½ x 3½	5 x 5 x 5
2 x 2 x 1¼	2½ x 1¼ x 2	3½ x 1¼ x 3½	5 x 5 x 4
2 x 2 x 1	2½ x 1 x 2½	3½ x 1 x 3½	5 x 5 x 3½
2 x 2 x ¾	2½ x ¾ x 2½	3½ x 1 x 3½	5 x 5 x 3
2 x 2 x ½			5 x 5 x 2½

**LIST OF STANDARD SIZES**  
OF  
**CAST IRON FITTINGS**  
TEES—CONTINUED

SIZE	SIZE	SIZE	SIZE
5 x 5 x 2	6 x 6 x 3½	7 x 6 x 7	9 x 9 x 9
5 x 5 x 1½	6 x 6 x 3	7 x 6 x 6	9 x 9 x 5
5 x 5 x 1¼	6 x 6 x 2½	7 x 6 x 5	
	6 x 6 x 2		10 x 10 x 10
5 x 4 x 5	6 x 6 x 1½	7 x 5 x 6	10 x 10 x 8
5 x 4 x 4	6 x 6 x 1¼	7 x 5 x 5	10 x 10 x 6
5 x 4 x 3	6 x 6 x 1		10 x 10 x 5
5 x 4 x 2½		8 x 8 x 8	10 x 10 x 4
5 x 4 x 2	6 x 5 x 6	8 x 8 x 6	10 x 10 x 3
	6 x 5 x 5	8 x 8 x 5	
5 x 3 x 5	6 x 5 x 4	8 x 8 x 4	10 x 8 x 8
5 x 3 x 4		8 x 8 x 3½	
5 x 3 x 3	6 x 4 x 6	8 x 8 x 3	12 x 12 x 12
5 x 3 x 2½	6 x 4 x 4	8 x 8 x 2½	12 x 12 x 10
5 x 3 x 2		8 x 8 x 2	12 x 12 x 8
	6 x 3 x 6		12 x 12 x 6
5 x 2½ x 5		8 x 7 x 6	12 x 12 x 5
5 x 2½ x 4	6 x 2½ x 6		12 x 12 x 4
5 x 2½ x 3		8 x 6 x 8	
	6 x 2 x 6	8 x 6 x 7	12 x 8 x 10
5 x 2 x 5		8 x 6 x 6	12 x 8 x 8
6 x 6 x 8	7 x 7 x 7		
6 x 6 x 7	7 x 7 x 6	8 x 5 x 8	
6 x 6 x 6	7 x 7 x 5	8 x 5 x 5	14 x 14 x 14
6 x 6 x 5	7 x 7 x 4		14 x 14 x 8
6 x 6 x 4	7 x 7 x 3	8 x 4 x 8	14 x 14 x 6

**BUSHINGS**

SIZE	SIZE	SIZE	SIZE	SIZE
¼ x ⅛ Brass	1½ x ½	3½ x 1	5 x 2	7 x 4½
⅜ x ⅛ Brass	1½ x ¾	3½ x 1¼	5 x 2½	7 x 5
	1½ x 1	3½ x 1½	5 x 3	7 x 6
⅜ x ¼	1½ x 1¼	3½ x 2	5 x 3½	
	2 x ½	3½ x 2½	5 x 4	8 x 3
½ x ¼	2 x ¾	3½ x 3	5 x 4½	8 x 4
½ x ⅜	2 x 1			8 x 5
¾ x ¼	2 x 1¼	4 x 1	6 x 2	8 x 6
¾ x ⅜	2 x 1½	4 x 1¼	6 x 2½	8 x 7
¾ x ½		4 x 1½	6 x 3	
	2½ x ¾	4 x 2	6 x 3½	9 x 6
1 x ¼	2½ x 1	4 x 2½	6 x 4	9 x 7
1 x ⅜	2½ x 1¼	4 x 3	6 x 4½	9 x 8
1 x ½	2½ x 1½	4 x 3½	6 x 5	
1 x ¾	2½ x 2			10 x 6
	3 x 1	4½ x 2½	7 x 2	10 x 8
1¼ x ¼	3 x 1¼	4½ x 3	7 x 2½	
1¼ x ⅜	3 x 1½	4½ x 3½	7 x 3	12 x 6
1¼ x ½	3 x 2	4½ x 4	7 x 3½	12 x 8
1¼ x ¾	3 x 2½		7 x 4	12 x 10
1¼ x 1				

LIST OF STANDARD SIZES  
OF  
CAST IRON FITTINGS  
CROSSES

SIZE	SIZE	SIZE	SIZE
$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$	2 x 2 x 2 x 2	$3\frac{1}{2}$ x $3\frac{1}{2}$ x $3\frac{1}{2}$ x $3\frac{1}{2}$	6 x 6 x $3\frac{1}{2}$ x $3\frac{1}{2}$
$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{3}{8}$ x $\frac{3}{8}$	2 x 2 x $1\frac{1}{2}$ x $1\frac{1}{2}$	$3\frac{1}{2}$ x $3\frac{1}{2}$ x 3 x 3	6 x 6 x 3 x 3
$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{4}$ x $\frac{1}{4}$	2 x 2 x $1\frac{1}{4}$ x $1\frac{1}{4}$	$3\frac{1}{2}$ x $3\frac{1}{2}$ x $2\frac{1}{2}$ x $2\frac{1}{2}$	6 x 6 x $2\frac{1}{2}$ x $2\frac{1}{2}$
$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$	2 x 2 x 1 x 1	$3\frac{1}{2}$ x $3\frac{1}{2}$ x 2 x 2	6 x 6 x 2 x 2
$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{1}{2}$ x $\frac{1}{2}$	2 x 2 x $\frac{3}{4}$ x $\frac{3}{4}$	4 x 4 x 4 x 4	7 x 7 x 7 x 7
$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{3}{8}$ x $\frac{3}{8}$	$2\frac{1}{2}$ x $2\frac{1}{2}$ x $2\frac{1}{2}$ x $2\frac{1}{2}$	4 x 4 x $3\frac{1}{2}$ x $3\frac{1}{2}$	7 x 7 x 6 x 6
1 x 1 x 1 x 1	$2\frac{1}{2}$ x $2\frac{1}{2}$ x 2 x 2	4 x 4 x 3 x 3	7 x 7 x 5 x 5
1 x 1 x $\frac{3}{4}$ x $\frac{3}{4}$	$2\frac{1}{2}$ x $2\frac{1}{2}$ x $1\frac{1}{2}$ x $1\frac{1}{2}$	4 x 4 x $2\frac{1}{2}$ x $2\frac{1}{2}$	8 x 8 x 8 x 8
1 x 1 x $\frac{1}{2}$ x $\frac{1}{2}$	$2\frac{1}{2}$ x $2\frac{1}{2}$ x $1\frac{1}{4}$ x $1\frac{1}{4}$	4 x 4 x 2 x 2	8 x 8 x 7 x 7
$1\frac{1}{4}$ x $1\frac{1}{4}$ x $1\frac{1}{4}$ x $1\frac{1}{4}$	$2\frac{1}{2}$ x $2\frac{1}{2}$ x $1\frac{1}{4}$ x $1\frac{1}{4}$	4 x 4 x $1\frac{1}{2}$ x $1\frac{1}{2}$	8 x 8 x 6 x 6
$1\frac{1}{4}$ x $1\frac{1}{4}$ x 1 x 1	$2\frac{1}{2}$ x $2\frac{1}{2}$ x 1 x 1	$4\frac{1}{2}$ x $4\frac{1}{2}$ x $4\frac{1}{2}$ x $4\frac{1}{2}$	9 x 9 x 9 x 9
$1\frac{1}{4}$ x $1\frac{1}{4}$ x $\frac{3}{4}$ x $\frac{3}{4}$	$2\frac{1}{2}$ x $2\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{4}$	5 x 5 x 5 x 5	10 x 10 x 10 x 10
$1\frac{1}{4}$ x $1\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{2}$	$2\frac{1}{2}$ x 2 x $1\frac{1}{2}$ x $1\frac{1}{2}$	5 x 5 x 4 x 4	10 x 10 x 8 x 8
$1\frac{1}{2}$ x $1\frac{1}{2}$ x $1\frac{1}{2}$ x $1\frac{1}{2}$	3 x 3 x 3 x 3	5 x 5 x 3 x 3	10 x 10 x 7 x 7
$1\frac{1}{2}$ x $1\frac{1}{2}$ x $1\frac{1}{4}$ x $1\frac{1}{4}$	3 x 3 x $2\frac{1}{2}$ x $2\frac{1}{2}$	5 x 5 x $2\frac{1}{2}$ x $2\frac{1}{2}$	12 x 12 x 12 x 12
$1\frac{1}{2}$ x $1\frac{1}{2}$ x 1 x 1	3 x 3 x 2 x 2	5 x 5 x 2 x 2	12 x 12 x 10 x 10
$1\frac{1}{2}$ x $1\frac{1}{2}$ x $\frac{3}{4}$ x $\frac{3}{4}$	3 x 3 x $1\frac{1}{2}$ x $1\frac{1}{2}$	6 x 6 x 6 x 6	12 x 12 x 8 x 8
$1\frac{1}{2}$ x $1\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$	3 x 3 x $1\frac{1}{4}$ x $1\frac{1}{4}$	6 x 6 x 5 x 5	
$1\frac{1}{2}$ x $1\frac{1}{4}$ x 1 x 1	3 x 3 x 1 x 1	6 x 6 x 4 x 4	

REDUCING COUPLINGS

SIZE	SIZE	SIZE	SIZE	SIZE	SIZE
2 x $1\frac{1}{2}$	$2\frac{1}{2}$ x $1\frac{1}{2}$	3 x $1\frac{1}{2}$	4 x 3	5 x 3	7 x 6
2 x $1\frac{1}{4}$	$2\frac{1}{2}$ x $1\frac{1}{4}$	3 x $1\frac{1}{4}$	4 x $2\frac{1}{2}$	6 x 5	
2 x 1	$2\frac{1}{2}$ x 1	3 x 1	4 x 2	6 x 4	8 x 6
2 x $\frac{3}{4}$	$2\frac{1}{2}$ x $\frac{3}{4}$	$3\frac{1}{2}$ x 3	$4\frac{1}{2}$ x 4	6 x 3	
2 x $\frac{1}{2}$	3 x $2\frac{1}{2}$	$3\frac{1}{2}$ x $2\frac{1}{2}$	5 x $4\frac{1}{2}$	6 x $2\frac{1}{2}$	10 x 8
$2\frac{1}{2}$ x 2	3 x 2	4 x $3\frac{1}{2}$	4 x 4	6 x 2	12 x 10

CAPS

Sizes— $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3,  $3\frac{1}{2}$ , 4,  $4\frac{1}{2}$ , 5, 6, 7, 8, 9, 10, 12

LOCK NUTS

Sizes— $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3,  $3\frac{1}{2}$ , 4,  $4\frac{1}{2}$ , 5, 6, 7, 8, 9, 10, 12

"Y" BENDS

Sizes— $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$ , 3,  $3\frac{1}{2}$ , 4,  $4\frac{1}{2}$ , 5, 6, 7, 8

RETURN BENDS, Close,  $\frac{1}{2}$  to 3. Open,  $\frac{1}{2}$  to 3. Wide, 1 to 4

PLUGS AND FLANGE UNIONS -----  $\frac{1}{2}$  to 12



## BRANCH TEES

FOR CIRCULATION

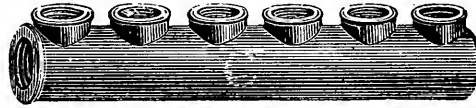


FIG. A-531.

FOR CIRCULATION

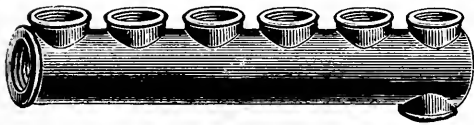


FIG. A-532.

FOR BOX COILS

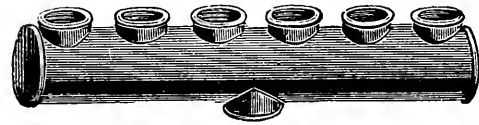


FIG. A-533.

All openings in Branch Tees for Circulation Tapped Right Hand.

Branch Tees for Box Coils are always Tapped Left Hand in Branches and Right Hand in Back Inlet.

NUMBER OF BRANCHES	1 IN. BRANCH TEES			1 1/4 IN. BRANCH TEES			1 1/2 IN. BRANCH TEES			2 IN. BRANCH TEES		
	2 1/2 INCH CENTER TO CENTER			3 INCH CENTER TO CENTER			3 1/2 INCH CENTER TO CENTER			4 1/2 INCH CENTER TO CENTER		
	1 IN. OR 1 1/4 IN. RUN	1 1/2 IN. RUN	2 IN. RUN	1 1/4 IN. OR 1 1/2 IN. RUN	2 IN. RUN	2 1/2 IN. RUN	1 1/2 IN. OR 2 IN. RUN	2 1/2 IN. RUN	3 IN. RUN	2 IN. RUN	2 1/2 IN. OR 3 IN. RUN	3 1/2 IN. RUN
2	.90	1.00	1.15	-----	-----	-----	-----	-----	-----	-----	-----	-----
3	1.05	1.15	1.35	1.65	1.90	2.40	2.70	3.45	3.80	5.25	5.75	6.25
4	1.15	1.30	1.60	2.00	2.40	2.85	3.35	4.15	4.60	6.40	7.00	7.75
5	1.35	1.45	1.85	2.40	2.90	3.55	4.00	5.00	5.50	7.65	8.50	9.25
6	1.60	1.75	2.10	2.80	3.30	3.95	4.65	5.75	6.25	8.80	9.75	10.75
7	1.90	2.20	2.45	3.20	3.90	4.20	5.25	6.50	7.25	10.60	11.75	13.00
8	2.20	2.45	2.75	3.60	4.50	4.95	5.85	7.00	7.75	11.50	12.75	14.00
9	2.65	2.90	3.40	4.30	5.25	6.15	6.50	8.25	9.00	12.25	13.50	15.00
10	-----	3.30	4.00	4.80	5.85	6.85	7.60	9.25	10.00	13.50	15.00	16.50
11	-----	4.50	4.80	5.00	6.25	7.25	8.00	9.75	10.75	-----	-----	-----
12	-----	4.75	5.10	5.25	6.50	7.65	8.50	10.50	11.50	-----	-----	-----
13	-----	5.50	6.00	6.00	7.00	8.25	-----	-----	-----	-----	-----	-----
14	-----	7.00	7.25	6.75	7.75	9.00	-----	-----	-----	-----	-----	-----
15	-----	7.50	7.75	7.50	8.50	9.75	-----	-----	-----	-----	-----	-----
16	-----	8.00	8.25	8.50	9.50	10.75	-----	-----	-----	-----	-----	-----

1-inch Branch Tees, 1-inch or 1 1/4-inch Run, are 1 3/4 inches Inside Diameter.

1-inch Branch Tees, 1 1/2-inch or 2-inch Run, are 2 1/4 inches Inside Diameter.

1 1/4-inch Branch Tees are all 2 1/2 inches Inside Diameter.

1 1/2-inch Branch Tees are all 2 3/4 inches Inside Diameter.

2-inch Branch Tees are all 3 1/2 inches Inside Diameter.

Always order Branch Tees by size and number.

1-inch Branch Tees, 1-inch and 1 1/4-inch Run, are also made 2 1/4-inch Inside Diameter, as  
LARGE PATTERN.

HOOK PLATES

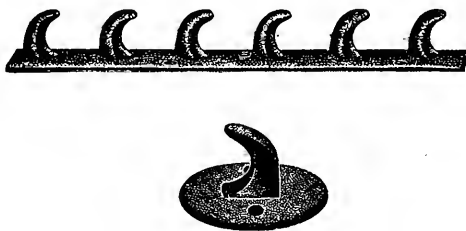


FIG. A-534.

Number of Hooks.....	1	2	3	4	5	6	7	8	9	10	11	12
For 3/4-inch Pipe..... Each	.08	.16	.21	.24	.28	.34	.40	.45	.50	.56	.68	.72
For 1 -inch Pipe..... Each	.09	.18	.23	.26	.32	.38	.48	.59	.65	.70	.85	1.00
For 1 1/4-inch Pipe..... Each	.10	.21	.27	.32	.41	.52	.68	.80	.90	1.20	1.35	1.40
For 1 1/2-inch Pipe..... Each	.15	.28	.43	.58	.72	.88	1.10	1.25	1.40	1.55	1.65	1.90
For 2 -inch Pipe..... Each	.22	.43	.65	.90	1.15	1.35						

EXPANSION PLATES



FIG. A-535.

Number of Hooks.....	1	2	3	4	5	6	7	8	9	10	11	12
For 3/4-inch Pipe..... Each	.12	.23	.34	.45	.55	.65	.77	.90	1.05	1.25	1.45	1.65
For 1 -inch Pipe..... Each	.15	.25	.35	.50	.60	.70	.80	.95	1.10	1.35	1.55	1.70
For 1 1/4-inch Pipe..... Each	.17	.27	.40	.60	.70	.80	.90	1.15	1.30	1.50	1.70	2.00
For 1 1/2-inch Pipe..... Each	.25	.40	.60	.75	.90	1.00						

TINNED STRAPS



FIG. A-536

Size of Pipe..... Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price..... Per Pound	.30	.30	.30	.30	.30	.30	.30	.30

GAS HOOKS

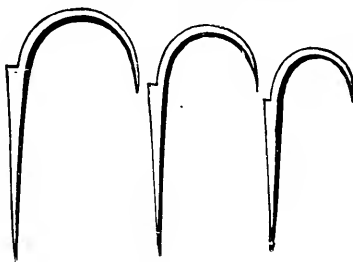


FIG A- 537.

Size of Pipe..... Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price..... Per 100	.45	.55	.65	.80	1.00	1.30	1.60	2.00

EXPANSION PIPE HANGERS

SOLID RING

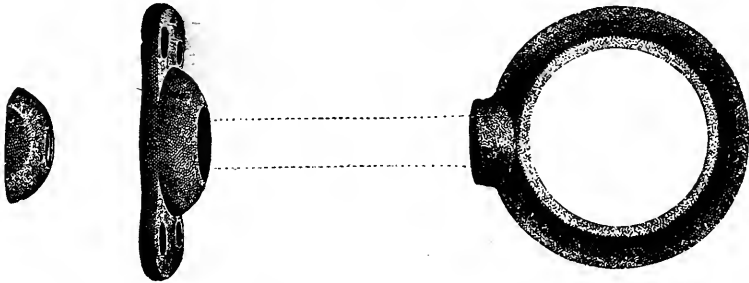


FIG. A-538.

Size-----	Inches	¾	1	1¼	1½	2	2½	3	3½	4	5	6
Price-----	Each	.17	.18	.19	.25	.29	.36	.44	.55	.63	1.12	1.35
REPAIRS-----	Buttons only--Each	.06	.06	.06	.07	.07	.08	.08	.08	.08	.08	.08
	Plates only--Each	.08	.08	.08	.09	.09	.10	.10	.10	.10	.10	.10
	Rings only--Each	.08	.12	.15	.20	.25	.30	.40	.50	.60	1.00	1.25

Buttons and Rings for 2-inch Pipe and under are tapped for 3/8-inch Pipe, other sizes for 1/2-inch Pipe.

EXPANSION PIPE HANGERS

SECTIONAL RING

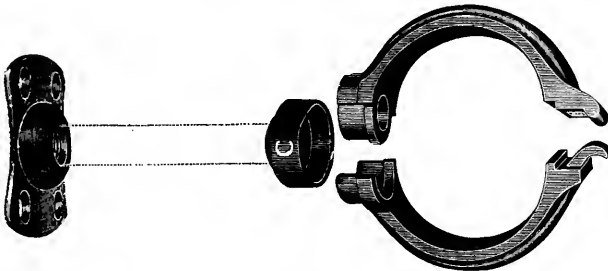


FIG. A-539.

Size-----	Inches	¾	1	1¼	1½	2	2½	3	3½	4	5	6
Price-----	Each	.32	.33	.35	.45	.55	.65	.80	1.00	1.15	2.00	2.50
Buttons and Rings Tapped --Inches		1/8	1/8	1/4	3/8	3/8	3/8	1/2	1/2	1/2	3/4	3/4

CEILING PLATES

SOLID

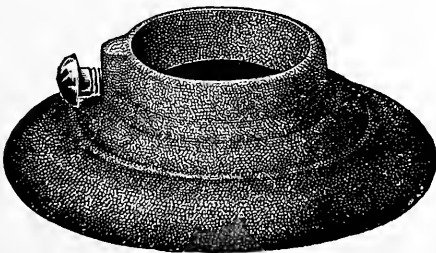


FIG. A-540.

IN HALVES

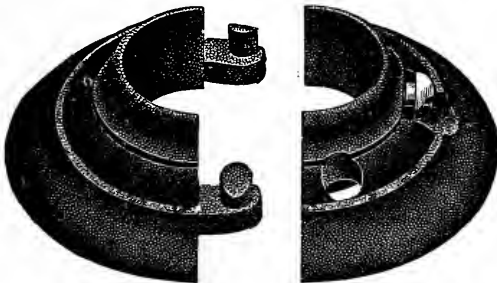


FIG. A-541.

SOLID CEILING PLATES

Size-----	Inches	½	¾	1	1¼	1½	2	2½	3	3½	4
Price-----	Each	.11	.13	.16	.18	.23	.27	.36	.50	.55	.68

CEILING PLATES IN HALVES

Size-----	Inches	¾	1	1¼	1½	2	2½	3	3½	4
Price-----	Each	.22	.28	.32	.40	.50	.65	.90	1.00	1.20

SPLIT FLOOR PLATES

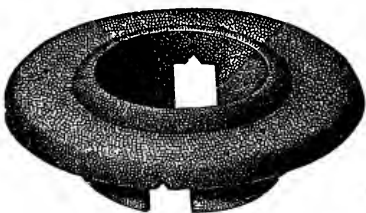


FIG. A-542.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Price .....	Each	.06	.06	.08	.11	.14	.16	.24	.30	.35	.42	.60	.75

HINGED FLOOR AND CEILING PLATES

FLOOR

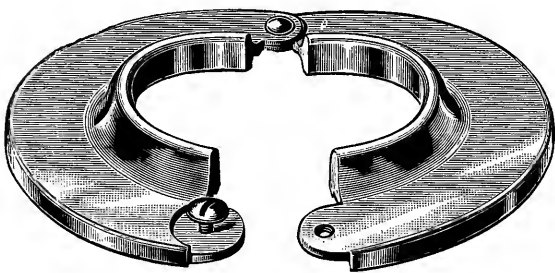


FIG. A-543.

CEILING

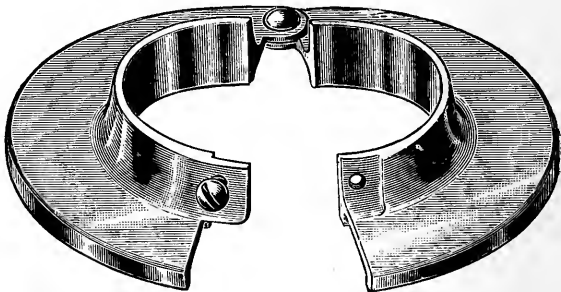


FIG. A-544.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Black .....	Each	.14	.14	.18	.20	.24	.28	.43	.60	.90	1.25	1.60	2.00
Nickel-plated .....	Each	.25	.25	.28	.32	.35	.38	.52	.75	1.10	1.50	2.00	2.50

BRASS FLOOR AND CEILING PLATES

FLOOR

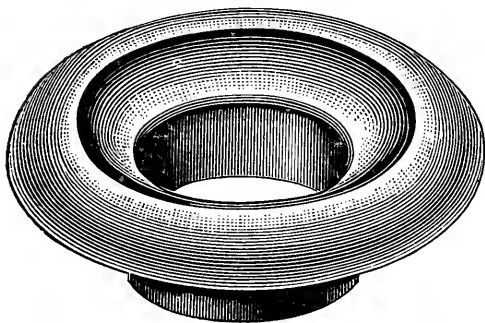


FIG. A-545.

CEILING

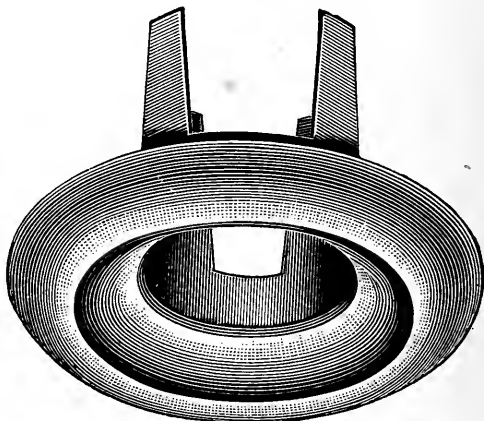


FIG. A-546.

Size .....	Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Nickel-plated .....	Each	.08	.08	.09	.10	.11	.12	.13	.15

STANDARD BRASS  
GLOBE, ANGLE, AND CROSS VALVES

GLOBE

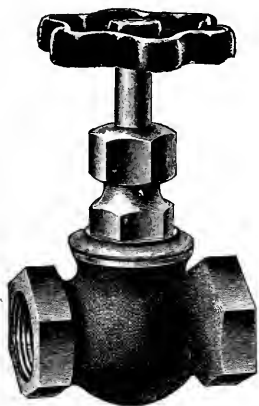


FIG. A-547.

ANGLE



FIG. A-548.

CROSS

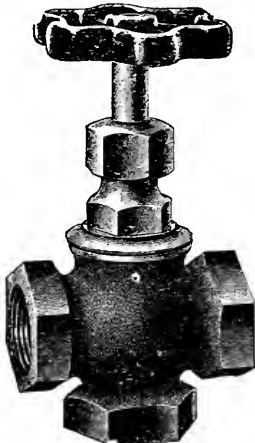


FIG. A-549.

Size.....Inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Globe.....Each	.72	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40
Angle.....Each	.72	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40
Cross.....Each	-----	1.25	1.25	1.50	2.00	2.50	3.50	5.00	8.00	16.00	24.00

BRASS GLOBE AND ANGLE VALVES  
WITH JENKINS DISC

Size.....Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	-----
Globe.....Each	1.10	1.25	1.60	2.20	2.80	4.00	5.50	8.75	15.75	22.00	-----
Angle.....Each	1.10	1.25	1.60	2.20	2.80	4.00	5.50	8.75	15.75	22.00	-----

STANDARD BRASS CHECK VALVES

ANGLE

HORIZONTAL

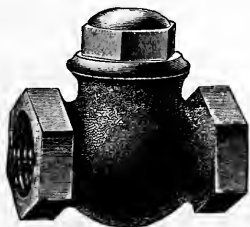


FIG. A-550



FIG. A-551.

VERTICAL



FIG. A-552.

Size.....Inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Horizontal...Each	.65	.65	.70	.90	1.15	1.60	2.25	3.15	4.75	9.00	13.00
Angle.....Each	.72	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40
Vertical ....Each	.72	.79	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40

BRASS CHECK VALVES  
WITH JENKINS DISC

Size.....Inches		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price.....Each		1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	20.50

JENKINS BROTHERS BRASS

GLOBE, ANGLE, AND CROSS VALVES

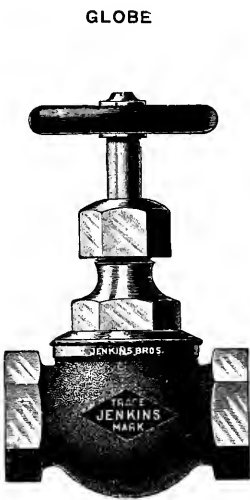


FIG. A-553.

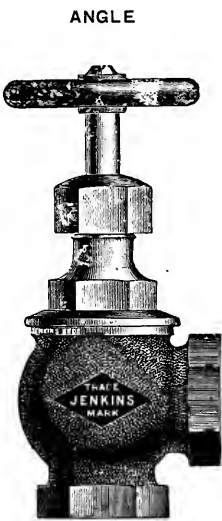


FIG. A-554.

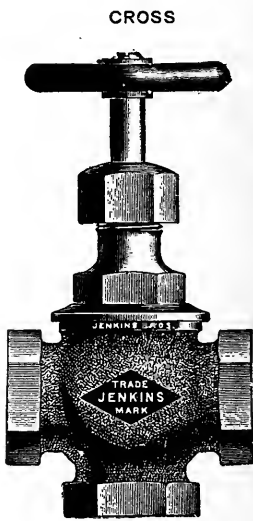


FIG. A-555.

Size ----- Inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Globe ----- Each	1.10	1.10	1.25	1.60	2.20	2.80	4.00	5.50	8.75	15.75	22.00
Angle ----- Each	1.10	1.10	1.25	1.60	2.20	2.80	4.00	5.50	8.75	15.75	22.00
Cross ----- Each	-----	1.70	2.00	2.25	2.50	3.25	4.75	6.25	9.50	20.00	27.50

LUNKENHEIMER'S BRASS REGRINDING

GLOBE, ANGLE, AND CROSS VALVES

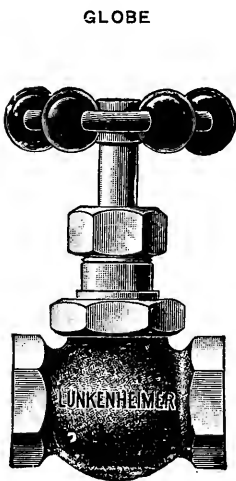


FIG. A-556.

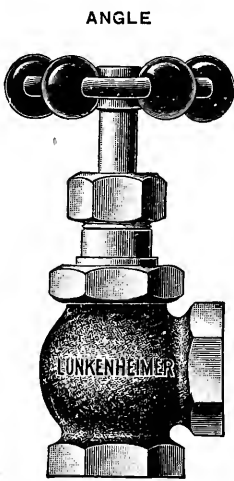


FIG. A-557.

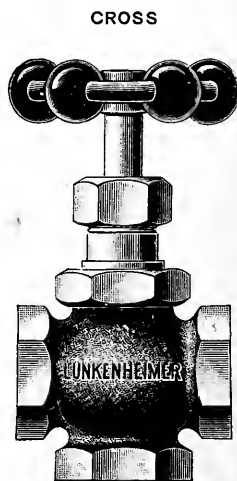


FIG. A-558.

Size ----- Inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Globe ----- Each	.70	.70	.85	1.15	1.45	2.00	2.80	3.90	6.20	12.00	16.50
Angle ----- Each	.70	.70	.85	1.15	1.45	2.00	2.80	3.90	6.20	12.00	16.50
Cross ----- Each	1.00	1.00	1.00	1.50	2.00	2.70	3.50	5.10	8.00	16.00	24.00

JENKINS BROTHERS BRASS CHECK VALVES

HORIZONTAL

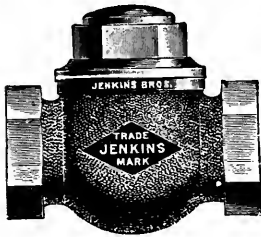


FIG. A-559.

ANGLE

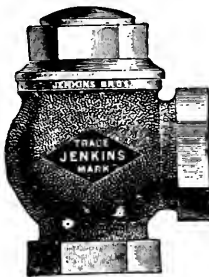


FIG. A-560.

VERTICAL



FIG. A-561.

Size ----- Inches	¼	⅜	½	¾	1	1¼	1½	2	2½	3
Horizontal ----- Each	1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	20.50
Angle ----- Each	1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	20.50
Vertical ----- Each	1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	20.50

LUNKENHEIMER'S REGRINDING BRASS CHECK VALVES

HORIZONTAL

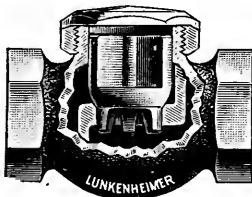


FIG. A-552.

ANGLE



FIG. A-563.

VERTICAL



FIG. A-564.

Size ----- Inches	⅛	¼	⅜	½	¾	1	1¼	1½	2	2½	3
Horizontal ----- Each	.50	.50	.60	.85	1.15	1.55	2.30	3.25	5.20	10.00	14.00
Angle ----- Each	.50	.50	.60	.85	1.15	1.55	2.30	3.25	5.20	10.00	14.00
Vertical ----- Each	.50	.50	.60	.85	1.15	1.55	2.30	3.25	5.20	10.00	14.00

BRASS  
HORIZONTAL CHECK VALVE

WITH DRIP COCK



FIG. A-566.

BRASS  
SWING CHECK VALVE

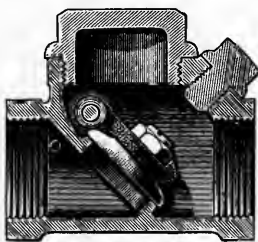


FIG. A-555.

IRON  
HORIZONTAL CHECK VALVE

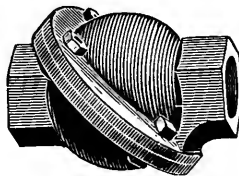


FIG. A-567.

Size ----- Inches	½	¾	1	1¼	1½	2	2½	3
Swing Check ----- Each	1.30	1.75	2.25	3.25	4.25	6.25	11.50	16.00
Horizontal, with Drip Cock ----- Each	2.15	2.55	3.15	4.05	5.40			
Iron Check Valve ----- Each		1.00	1.25	1.50	2.00	2.75		

IRON BODY VALVES

GLOBE

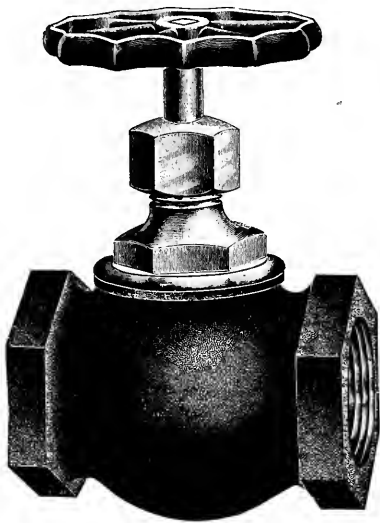


FIG A-568.

ANGLE

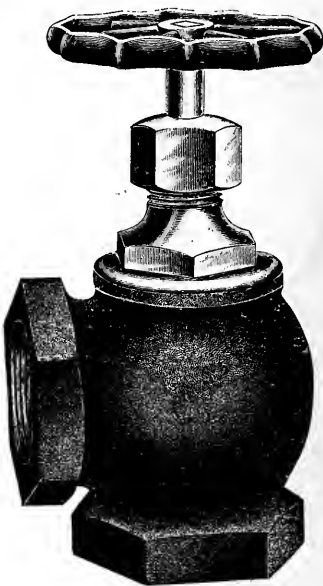


FIG. A-569.

BRASS  
MOUNTED  
PLAIN

Size-----	Inches	2	2½	3
Standard-----	Each	5.40	7.35	9.80
With Jenkins Disc-----	Each	7.25	11.00	16.00

GLOBE

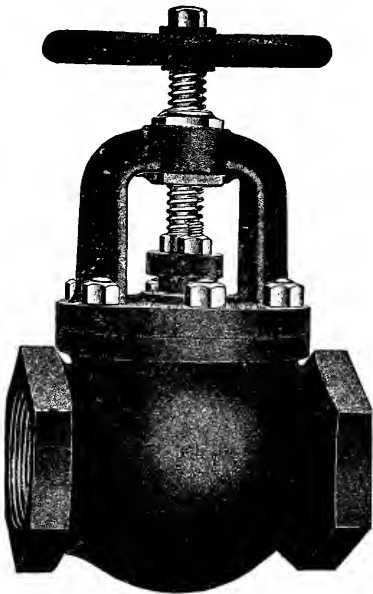


FIG. A-570.

ANGLE

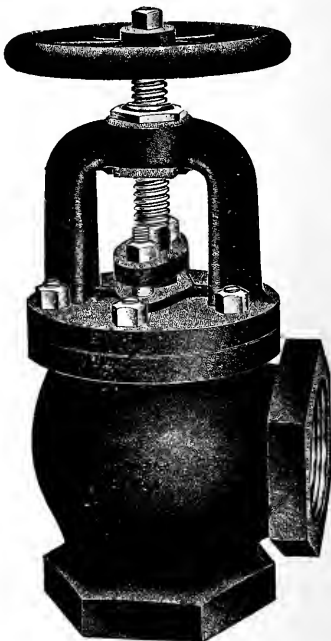


FIG. A-571.

BRASS  
MOUNTED  
WITH YOKE

Size-----	Inches	2	2½	3	3½	4	4½	5	6	7	8
Standard-----	Each	7.00	9.00	12.50	15.25	19.00	24.00	27.00	37.50	63.00	72.00
With Jenkins Disc-----	Each		12.00	16.75	19.50	24.00		40.00	48.00	80.00	90.00



## IRON BODY VALVES

CROSS, PLAIN

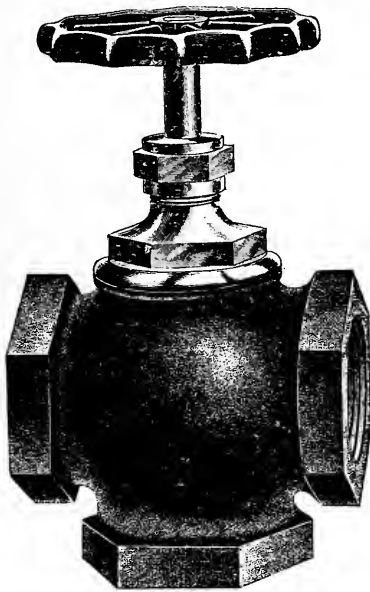


FIG. A-572.

CROSS, WITH YOKE

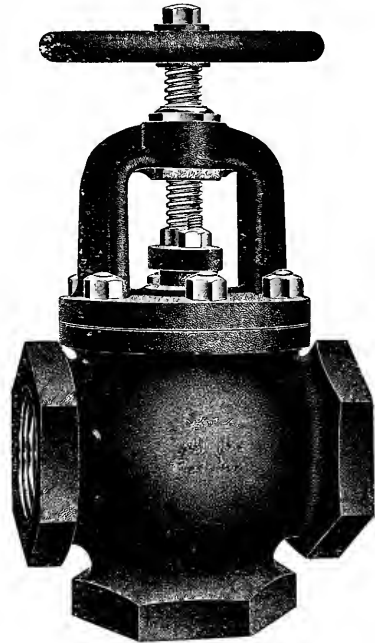


FIG. A-573.

BRASS MOUNTED

Size ----- Inches	2	2½	3	3½	4	4½	5	6	7	8
Plain ----- Each	6.50	9.00	12.50							
With Yoke ----- Each			16.25	20.00	23.50	30.65	35.25	47.25	78.00	92.00

## IRON BODY CHECK VALVES

BRASS MOUNTED

HORIZONTAL

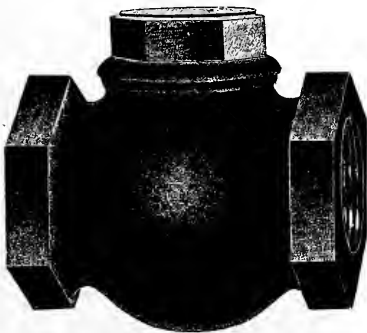


FIG. A-574.

VERTICAL

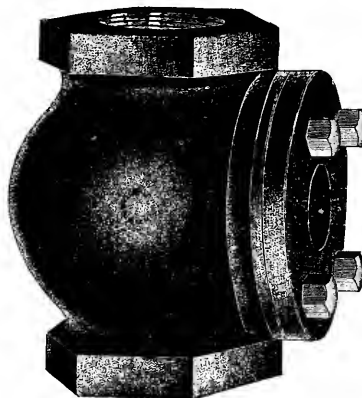


FIG. A-575.

ANGLE



FIG. A-576.

Size ----- Inches	2	2½	3	3½	4	4½	5	6	7	8
Horizontal ----- Each	3.60	6.50	8.90	12.25	14.25	19.00	22.00	30.00	45.00	57.00
Horizontal, with Jenkins Disc ----- Each		10.50	14.00	17.00	20.00		30.00	40.00		
Vertical ----- Each		9.50	12.50	17.00	21.00	30.00	33.00	40.00	62.00	73.00
Angle ----- Each	3.60	6.50	8.90	12.25	14.25	19.00	22.00	30.00	45.00	57.00

## IRON BODY SWING CHECK VALVES, BRASS MOUNTED

Size ----- Inches	2	2½	3	3½	4	4½	5	6	7	8
Price ----- Each	6.25	10.00	12.00	16.00	20.50	23.00	25.50	32.00	41.50	50.00

GATE VALVES

IRON BODY, BRASS MOUNTED

BRASS

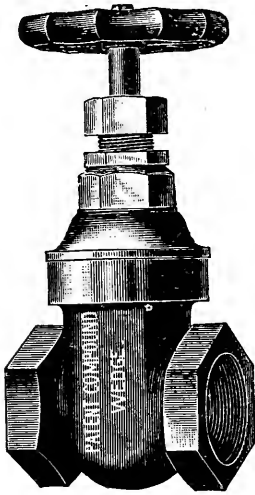


FIG. A-577.

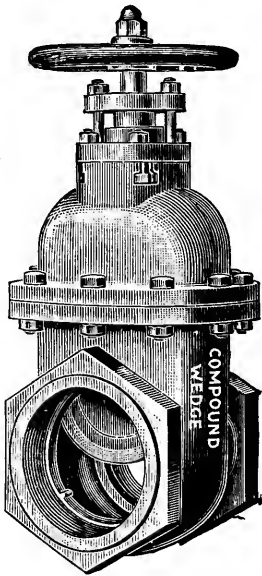


FIG. A-578.

BRASS GATE VALVES

Size .....	Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price .....	Each	1.25	1.25	1.30	1.75	2.50	3.50	5.00	7.50	15.00	22.00

IRON BODY, BRASS MOUNTED GATE VALVES

Size .....	Inches	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8
Price .....	Each	10.00	12.00	15.00	18.00	20.00	23.00	25.00	30.00	45.00	55.00

"CLIP"

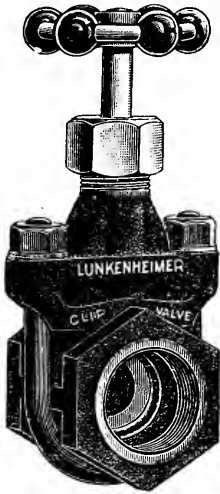


FIG. A-579.

LUNKENHEIMER  
IRON BODY  
BRASS MOUNTED  
GATE VALVES

"VICTOR"



FIG. A-580.

"CLIP" GATE VALVES

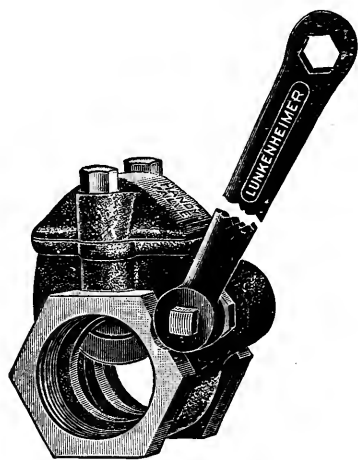
Size .....	Inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Price .....	Each	1.50	1.90	2.50	3.50	5.00	7.50	12.00	15.00

"VICTOR" GATE VALVES

Size .....	Inches	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8
Price .....	Each	9.00	11.00	14.00	22.00	29.00	34.00	42.00	53.00	60.00	75.00

QUICK OPENING GATE VALVES

"HANDY"

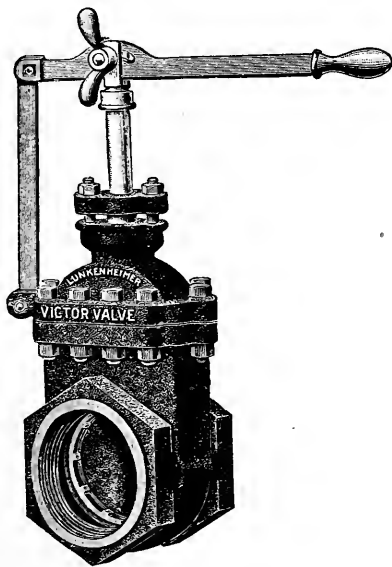


FOR  
PRESSURE  
NOT  
EXCEEDING  
75  
POUNDS

FIG. A—581.

Size.....Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Brass Body.....Each	1.60	1.80	2.50	3.50	5.00	7.50	13.50	19.00	40.00	60.00
Iron Body, Brass Mounted.....Each						7.00	12.00	15.00	18.00	21.00
All Iron.....Each		3.40	4.00	4.50	6.00	7.00	12.00	15.00	18.00	21.00

"VICTOR"



FOR  
175  
POUNDS  
WORKING  
PRESSURE

FIG. A—582.

Size.....Inches	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	8
Iron Body, Brass Mounted.....Each	9.00	11.00	14.00	22.00	29.00	34.00	42.00	53.00	60.00	75.00
All Iron.....Each	9.00	11.00	14.00	22.00	29.00	34.00	42.00	53.00	60.00	75.00

THROTTLE VALVES

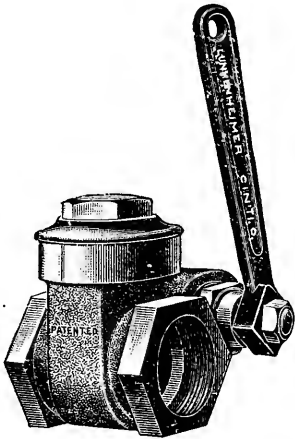


FIG. A-583.

BRASS BODY

Size.....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Price.....	Each	3.00	4.00	5.00	7.00	10.00	19.00

IRON BODY BRASS MOUNTED

Size.....	Inches	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Price.....	Each	16.00	20.00	25.00	30.00	35.00	40.00

BACK PRESSURE VALVES

IRON BODY, BRASS MOUNTED

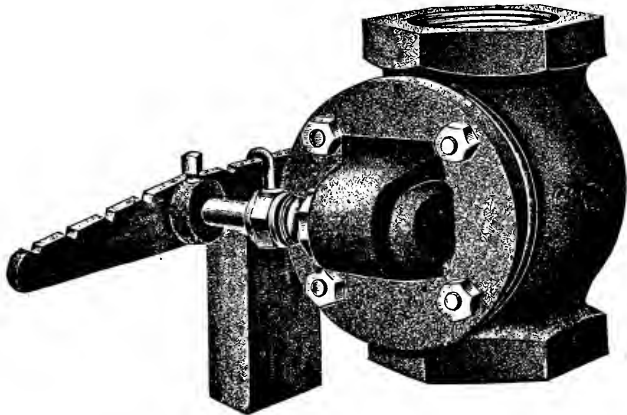


FIG. A-584.

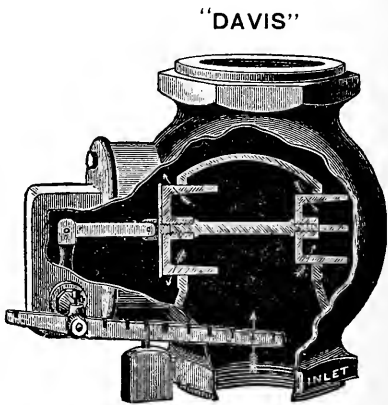


FIG. A-585

IRON BODY, BRASS MOUNTED, PRESSURE VALVES

Size.....	Inches	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6
Price.....	Each	11.00	13.00	15.00	19.00	22.50	28.50	33.50	43.00

"DAVIS" NOISELESS, BACK PRESSURE VALVES

Size.....	Inches	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6
Price.....	Each	14.00	16.00	18.00	22.00	25.00	30.00	40.00	60.00

STANDARD STEAM COCK

BRASS



FIG. A-586.

Size-----Inches	¼	⅜	½	¾	1	1¼	1½	2	2½	3
Flat or Square Head-----Each	.85	1.00	1.25	1.70	2.35	3.70	4.85	7.30	14.50	22.50
With Check-----Each	1.00	1.15	1.40	1.90	2.55	3.95	5.15	7.65	15.00	23.25

THREE-WAY STEAM COCK

BRASS

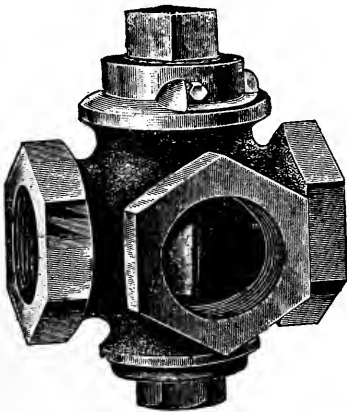


FIG. A-587.

Size-----Inches	½	¾	1	1¼	1½	2	2½	3
Price-----Each	2.50	3.00	3.75	5.75	7.15	11.00	18.75	26.00

MALLEABLE IRON WRENCHES

FOR GAS OR STEAM COCKS

FLAT OR SQUARE HEAD

Size-----Inches	¼	⅜	½	¾	1	1¼	1½	2	2½	3
Flat or Square Head-----Each	.07	.07	.07	.09	.14	.19	.25	.44	.56	1.00

IRON COCKS



FIG. A-588.

Size-----Inches	½	¾	1	1¼	1½	2	2½	3	3½	4
All Iron-----Each	.90	1.05	1.30	1.60	1.95	2.70	4.40	6.75	12.00	15.50
Iron Body, Brass Plug-----Each	1.30	1.60	1.90	2.65	3.75	5.25	8.75	13.00	27.50	36.50

IRON THREE-WAY COCKS

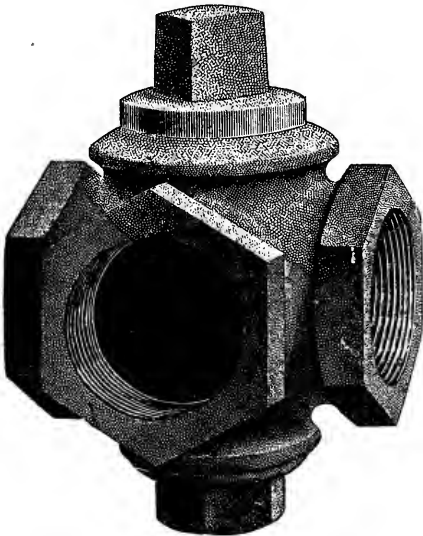


FIG. A-589.

Size-----Inches	¾	1	1¼	1½	2	2½	3	3½	4
All Iron-----Each	1.65	1.80	2.05	2.65	3.65	5.35	7.50	14.00	19.00
Iron Body, Brass Plug-----Each	2.20	2.40	3.10	4.50	6.25	9.75	13.75	30.00	40.00

HOT WATER RADIATOR VALVES

WITH UNION AND BY-PASS

WOOD WHEEL

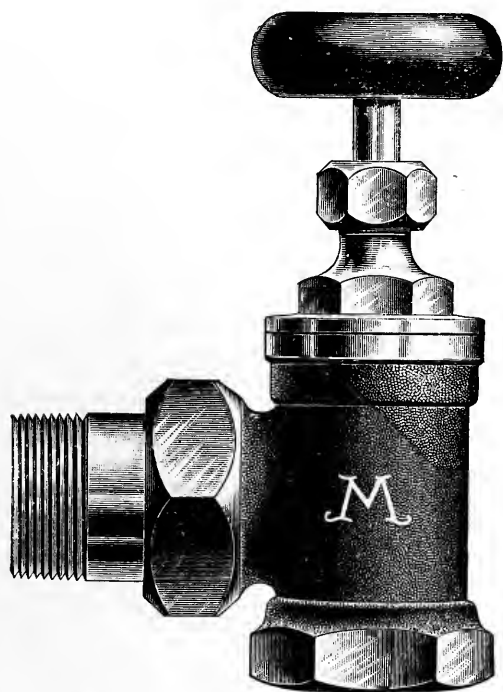


FIG. A-590.

No.	Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
1	Rough Body, Finished Trimmings.....	Each	2.00	2.50	3.50	5.00	7.00
2	Rough Body, Nickel-plated Trimmings .....	Each	2.30	2.85	3.90	5.40	8.00
3	Rough Body, Nickel-plated all over.....	Each	2.40	3.00	4.10	5.60	8.25
4	Finished all over.....	Each	3.00	4.05	5.15	7.40	11.25
5	Finished and Nickel-plated all over.....	Each	3.40	4.50	5.75	8.00	12.00

RADIATOR VALVES WITH UNION

JENKINS DISC

WOOD WHEEL

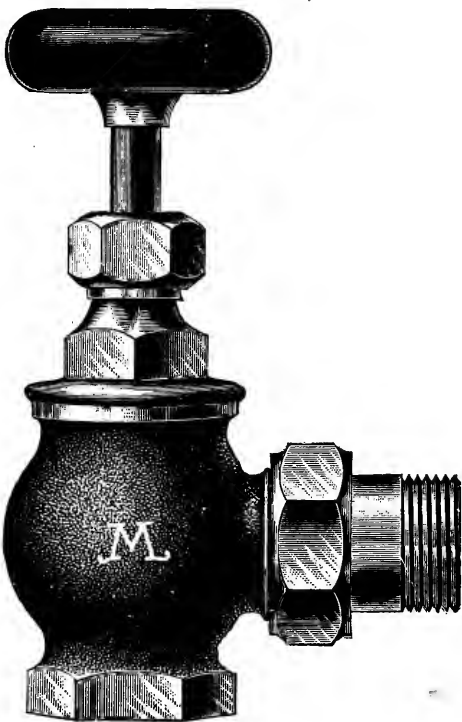


FIG. A-591.

THREADS: Male, Right Hand on Union; Female, Right Hand on Bottom.

No.	Size ----- Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
11	Rough Body, Finished Trimmings----- Each	2.75	3.50	4.30	5.85	7.75	12.60
12	Rough Body, Nickel-plated Trimmings-- Each	3.05	3.80	4.60	6.15	8.05	12.90
13	Rough Body, Nickel-plated all over ---- Each	3.15	3.90	4.70	6.25	8.15	13.00
14	Finished all over ----- Each	3.20	4.00	4.80	6.40	8.75	13.85
15	Finished and Nickel-plated all over ---- Each	3.60	4.40	5.20	6.80	9.15	14.25



CORNER RADIATOR VALVES WITH UNION

JENKINS DISC

WOOD WHEEL

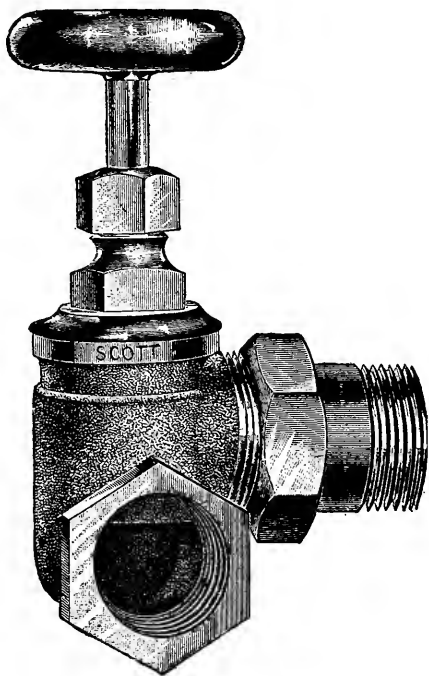


FIG. A—592.

THREADS: Male, Right Hand on Union; Female, Right Hand on Bottom.

No.	Size	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
21	Rough Body, Finished Trimmings	Each	3.85	4.75	6.45	8.55	13.85
22	Rough Body, Nickel-plated Trimmings	Each	4.15	5.05	6.85	8.85	14.15
23	Rough Body, Nickel-plated all over	Each	4.25	5.15	6.95	8.95	14.25
24	Finished all over	Each	4.40	5.30	7.05	9.65	15.25
25	Finished and Nickel-plated all over	Each	4.80	5.70	7.45	10.05	15.65

RADIATOR VALVES

JENKINS DISC

WITH LOCK AND SHIELD

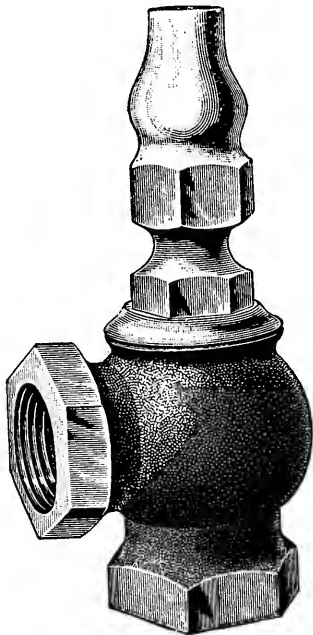


FIG. A-593.

Lock and Shield Radiator Valves same price as Wood Wheel Valves.  
When ordering, use Wood Wheel Valve number, adding the words "Lock and Shield."

BRASS KEYS

FOR LOCK AND SHIELD VALVES

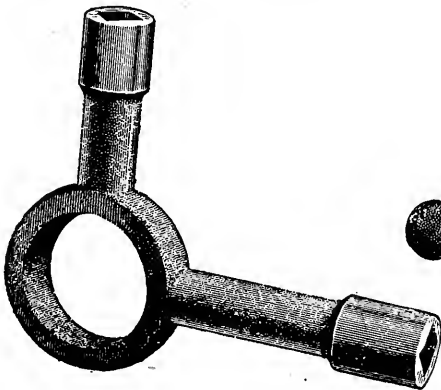


FIG. A-594.

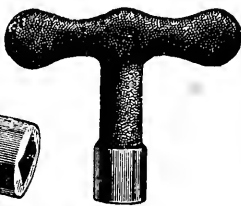


FIG. A-595.

	PLAIN	NICKEL PLATED
Fig. A-594 for Valves 3/4 to 2 inches, inclusive ..... Each	.50	.70
Fig. A-595 for Valves 3/8 to 1/2 inch ..... Each	.18	.25

EXTRA JENKINS DISCS

Size .....	Inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Price .....	Each	.03	.04	.04	.05	.06	.09	.12	.18
Size .....	Inches	2 1/2	3	3 1/2	4	5	6	7	8
Price .....	Each	.24	.33	.45	.52	.68	.90	.98	1.05

UNION ELBOWS

BRASS

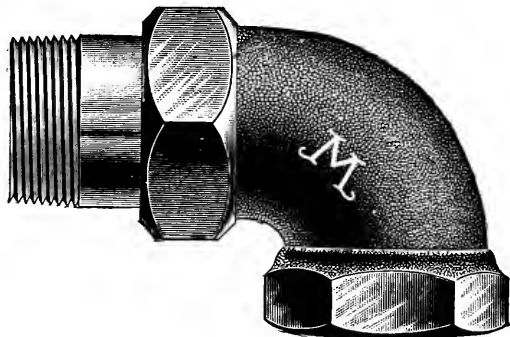


FIG. A-596.

No.	Size ----- Inches	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2
31	Rough Body ----- Each	1.25	1.60	2.15	2.85	4.50
32	Rough Body, Nickel-plated ----- Each	1.50	1.85	2.40	3.15	4.80
33	Finished all over ----- Each	1.70	2.10	2.80	3.75	5.35
34	Finished and Nickel-plated all over ----- Each	1.95	2.35	3.05	4.05	5.65

COMPRESSION RADIATOR AIR VALVES



FIG. A-597.



FIG. A-598



FIG. A-599.



FIG. A-600.



FIG. A-601.

Size ----- Inches	$\frac{1}{8}$	$\frac{1}{4}$
Fig. A-597 Nickel-plated ----- Each	.35	.40
Fig. A-598 Nickel-plated ----- Each	.45	.55
Fig. A-599 Nickel-plated ----- Each	.45	.55
Fig. A-600 Nickel-plated ----- Each	.60	.65
Fig. A-601 Nickel-plated ----- Each	.70	.75

"CLEVAUC" AUTOMATIC SYPHON AIR VALVES



FIG. A-602.

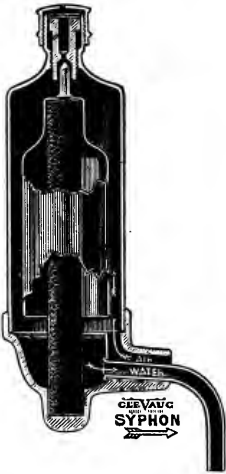


FIG. A-603.

Plain Valve, Nickel-plated .....	Each 1.25
With Heat Controller .....	Each 1.40
Screw Caps .....	Each .10

AUTOMATIC AIR VALVES

"ACME"

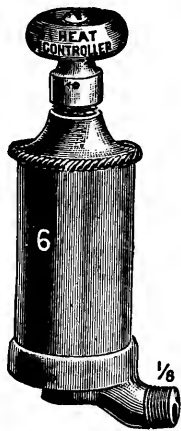


FIG. A-604.

"PAUL"

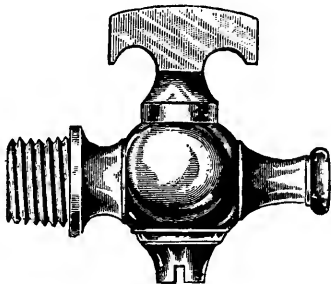


FIG. A-605.

"Acme," Plain .....	Each 1.25
"Acme," with Heat Controller .....	Each 1.40
"Acme," for Hot Water .....	Each 1.25
"Paul" .....	Each 1.25

"VICTOR" AUTOMATIC AIR VALVES

No. 1 or No. 2 .....	Each .65
No. 1 or No. 2 with Drip Connection .....	Each .75

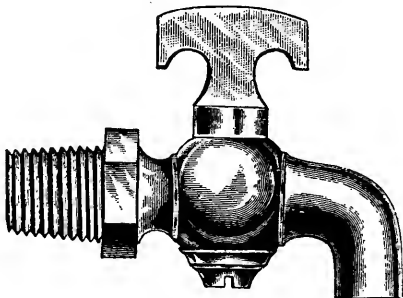


AIR COCKS

STRAIGHT

FIG. A-606.

Size .....	Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
T Handle .....	Each	.40	.40	.50	.60
Lever Handle .....	Each	.55	.55	.65	.75

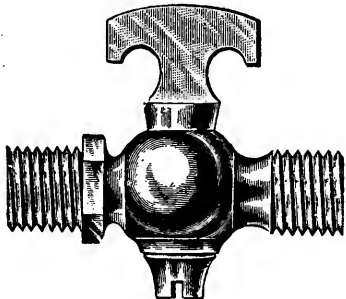


AIR COCKS

BIBBED

FIG. A-607.

Size .....	Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
T Handle .....	Each	.70	.70	.80	.90
Lever Handle .....	Each	.80	.80	.90	1.00

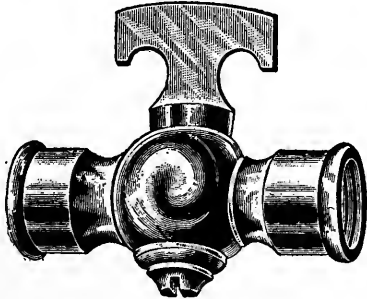


AIR COCKS

MALE THREADS

FIG. A-608.

Size .....	Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
T Handle .....	Each	.55	.55	.65	.90
Lever Handle .....	Each	.60	.70	.85	1.00



AIR  
OR  
STEAM GAUGE COCKS

FEMALE THREADS

FIG. A-609.

Size .....	Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	
T Handle .....	Each	.70	.75	.85	
Lever Handle .....	Each	.85	.90	1.00	

COMPRESSION GAUGE COCKS

WITHOUT STUFFING BOX

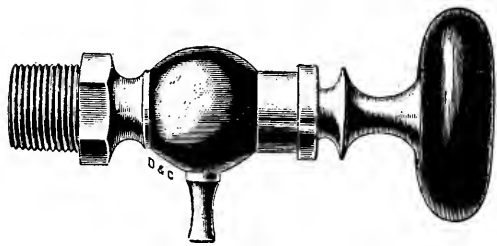


FIG. A-610.

WITH STUFFING BOX

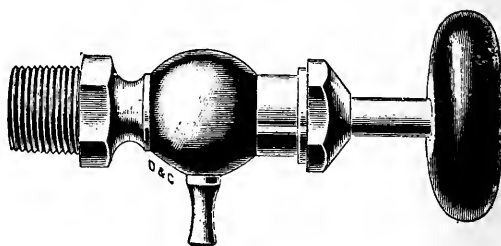


FIG. A-611.

Size.....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Without Stuffing Box.....	Each	1.10	1.20	1.35
With Stuffing Box.....	Each	1.35	1.50	1.70

MISSISSIPPI GAUGE COCKS.

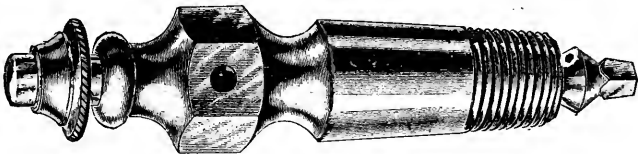


FIG. A-612.

Size, Iron Pipe Thread.....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Size, Blank Shank.....	Inches	$\frac{5}{8}$	$\frac{3}{4}$	1
Price.....	Each	.90	1.20	1.50

DUPLEX GAUGE COCKS

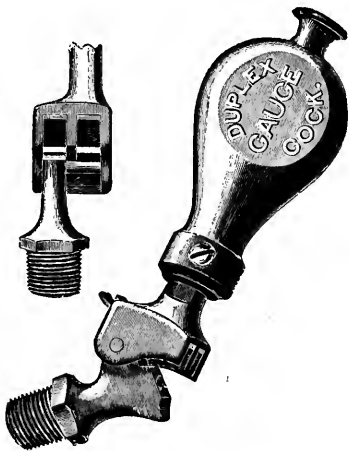


FIG. A-613.

REGISTER GAUGE COCKS



FIG. A-614.

Size.....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Duplex.....	Each	1.00	1.00	1.10
Register.....	Each	1.00	1.00	1.10

SAFETY VALVES

IRON BODY, BRASS MOUNTED, AND ALL BRASS

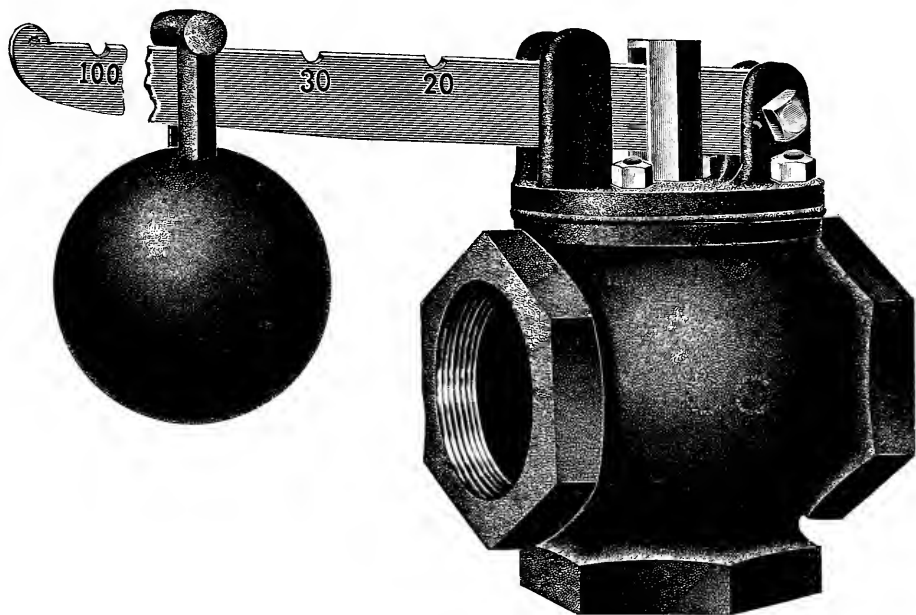


FIG. A-615.

Size .....	Inches	¼	⅜	½	¾	1	1¼	1½	2	2½	3	3½	4
Iron Body, Brass Disc .....	Each					4.00	5.00	5.80	7.80	13.25	17.25	23.00	28.75
Iron Body, Jenkins Disc .....	Each								10.25	16.75	22.00	31.00	38.00
Brass, Brass Disc .....	Each	2.20	2.50	3.25	3.90	4.70	7.15	9.00	12.50	22.50	33.50		
Brass, Jenkins Disc .....	Each			4.12	4.95	5.50	8.25	10.15	15.40				

LUNKENHEIMER POP SAFETY VALVES

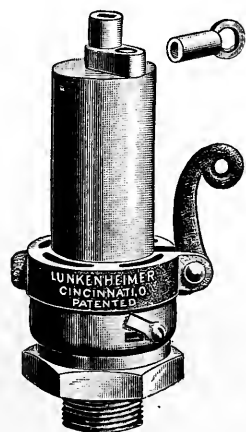


FIG. A-616.

TOP  
OR  
ANGLE  
OUTLET

BRASS

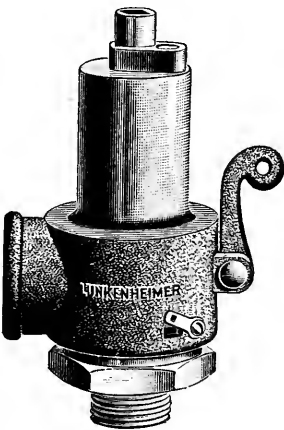


FIG. A-617.

Size .....	Inches	¾	½	¾	1	1¼	1½	2	2½	3
Top Outlet .....	Each	5.50	6.00	6.50	7.50	9.00	11.50	18.00	28.00	38.00
Angle Outlet .....	Each	6.00	6.50	7.00	8.20	9.80	12.40	19.50	30.00	41.00



LOW PRESSURE  
SAFETY VALVES

BRASS

FIG. A—618.

Size.....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price.....	Each	2.60	3.30	4.50	6.35	8.65

BRASS STEAM WHISTLES AND WHISTLE VALVES

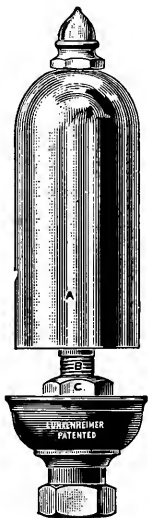


FIG. A—619.

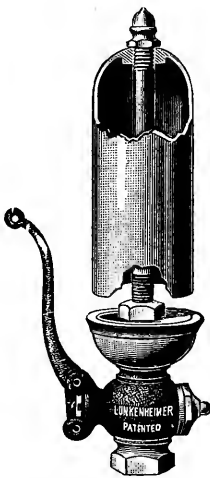


FIG. A—620.

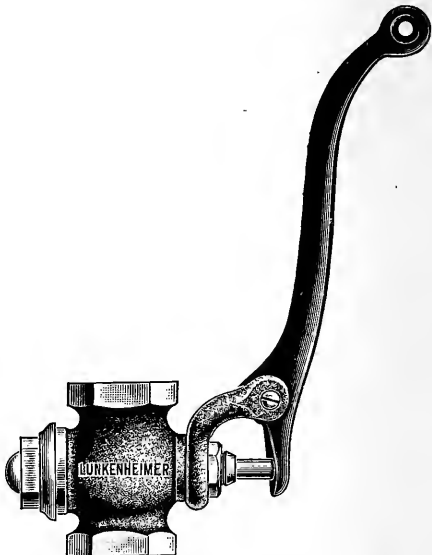


FIG. A—621.

BRASS STEAM WHISTLES

Diameter of Bell.....	Inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6
Size of Pipe Connection.....	Inches	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$
Regular, without Valve.....	Each	2.20	2.75	3.00	4.35	5.25	7.25	9.50	12.00	19.00	24.00
Regular, with Valve.....	Each	3.10	3.75	4.00	5.50	6.50	8.50	11.50	15.00	22.50	33.00
Long Bell, without Valve.....	Each					6.40	8.00	11.00	14.20	22.50	33.00

NOTE—Regular size Whistle Bells are about twice as long as the diameter.  
Long size Whistle Bells will run about three times as long as the diameter.

WHISTLE VALVES WITH ADJUSTABLE LEVER

Size.....	Inches	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price.....	Each	2.00	2.50	3.00	3.50	5.00	6.00	9.00	18.00	27.00



WATER COLUMNS

Nos. 5 AND 6

No. 0

Nos. 1, 2, 3, AND 4



FIG. A-622.



FIG. A-623.



FIG. A-624.

Number	0	1	2	3	4	5	6	
Center to Center of Boiler Connections	Inches	10	12½	14	18			
Center to Center of Water Gauge Connections	Inches	9½	10	12½	14	18	13¾	27
Center to Center of Gauge Cocks	Inches		3¾	3¾	4½	4	3⅝	4¾
Extreme Length	Inches	12½	13	16½	18¾	22½	20¼	30¼
Tapped for Boiler Connections	Inches	¾	½	¾	1¼	1¼	1¼	1¼
Tapped for Water Gauge Connections	Inches	⅜	½	½	¾	¾	½	¾
Tapped for Gauge Cocks	Inches		⅜	½	½	¾	½	¾
Top and Bottom Tapped	Inches	¼ x ¾	¾	1	¾	1¼	1¼	1¼
Price, Columns only	Each	1.50	2.75	4.00	6.00	8.00	7.50	12.00

No. 0 is designed especially for House Heating Boilers, and has no holes for gauge cocks.  
Nos. 5 and 6 the connection to the boiler is made from top and bottom of column.

STEAM GAUGE SYPHON

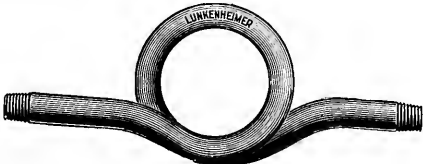


FIG. A-625.

Size	Inches	1/4
Price	Each	.50

HIGH PRESSURE STEAM GAUGES

BOURDON SPRINGS

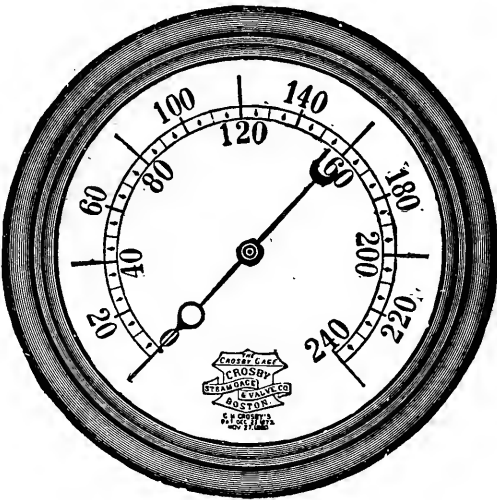


FIG. A-626.

PRICES INCLUDE COCK

Size of Dial.....Inches	2½	3½	4½	5	5½	6	6¾	8½
Iron Case, Single Spring.....Each	6.00	7.00	8.00	8.00	10.00	13.00	16.00	22.00
Brass Case, Single Spring.....Each	8.00	9.00	10.00	11.00	12.00	16.00	20.00	30.00
Iron Case, Double Spring.....Each			10.00	11.00	12.00	15.00	18.00	25.00
Brass Case, Double Spring.....Each			12.00	13.00	14.00	18.00	22.00	34.00

LOW PRESSURE STEAM GAUGES

BOURDON SPRINGS

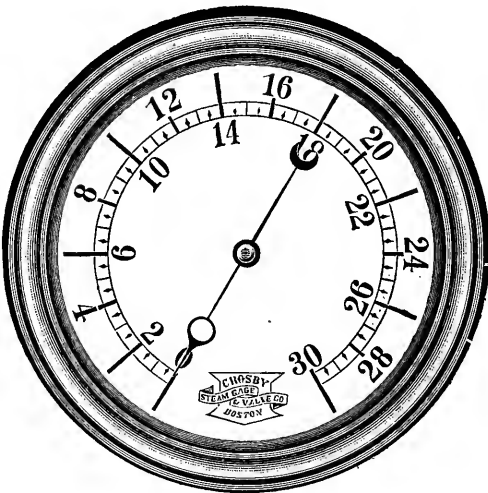


FIG. A- 627.

PRICES INCLUDE COCK

Size of Dial .....Inches	2½	3½	4½	5	5½	6	6¾	8½
Iron Case, Single Spring.....Each	6.00	7.00	8.00	8.00	10.00	13.00	16.00	22.00
Brass Case, Single Spring.....Each	8.00	9.00	10.00	11.00	12.00	16.00	20.00	30.00
Iron Case, Double Spring.....Each			10.00	11.00	12.00	15.00	18.00	25.0
Brass Case, Double Spring.....Each			12.00	13.00	14.00	18.00	22.00	34.00

NOTE—Steam Gauges should NEVER BE USED WITHOUT A SYPHON of sufficient capacity to fill the Gauge Tube and KEEP IT COOL.

COMBINATION WATER PRESSURE GAUGES

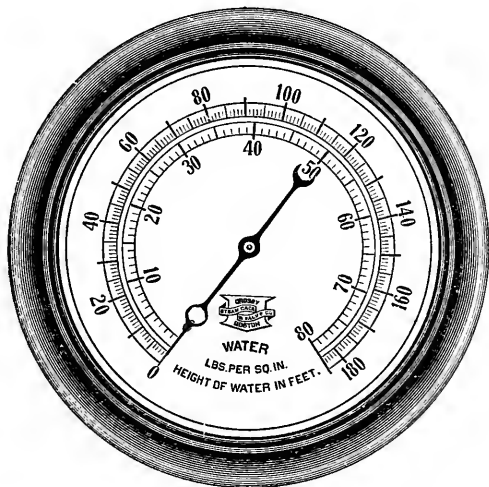


FIG. A-628.

For indicating the height in feet, and pounds pressure per square inch of water in Reservoir, Stand-pipe, or Pumping Station.

PRICES INCLUDE COCK

Size of Dials-----	Inches	4 1/2	5 1/2	6	6 3/4	8 1/2	10	12
Iron Case, Brass Ring-----	Each	12.00	14.00	16.00	20.00	30.00	40.00	60.00
Iron Case, Nickel-plated Ring----	Each	12.50	14.25	16.50	20.60	30.75	41.00	61.50
Brass Case-----	Each	14.00	16.00	20.00	25.00	40.00	50.00	80.00
Nickel-plated Case-----	Each	15.00	17.25	21.50	27.00	42.50	53.00	84.00

ALTITUDE GAUGES

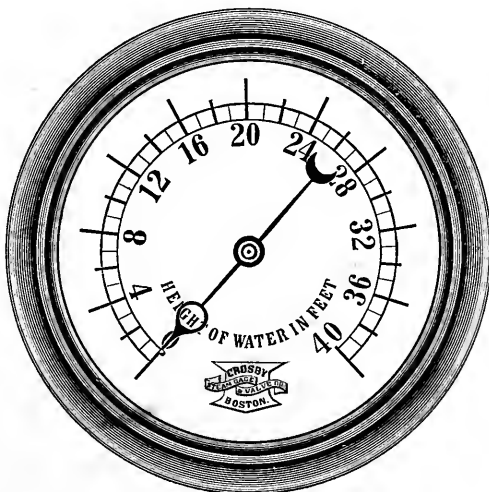


FIG. A-629.

This Gauge is designed for use on Hot-water Heaters.  
DIRECTIONS—When Reservoir is filled to proper height, set RED hand to point indicated by BLACK hand. This shows height at which water should be constant in Reservoir. An variation in height of water will be indicated by black hand.

PRICES INCLUDE COCK

Size of Dial-----	Inches	3 1/4	4 1/2	5
Iron Case-----	Each	8.00	8.00	8.00

WATER GAUGES

ROUGH BRASS BODY

IRON WHEEL

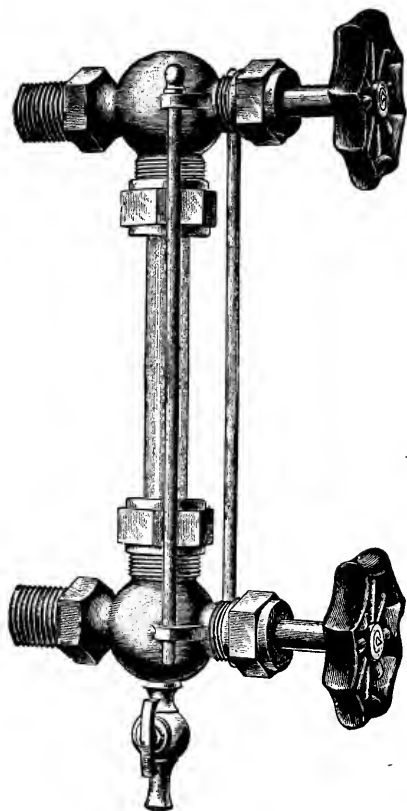


FIG. A-630.

FINISHED BRASS BODY

WOOD WHEEL

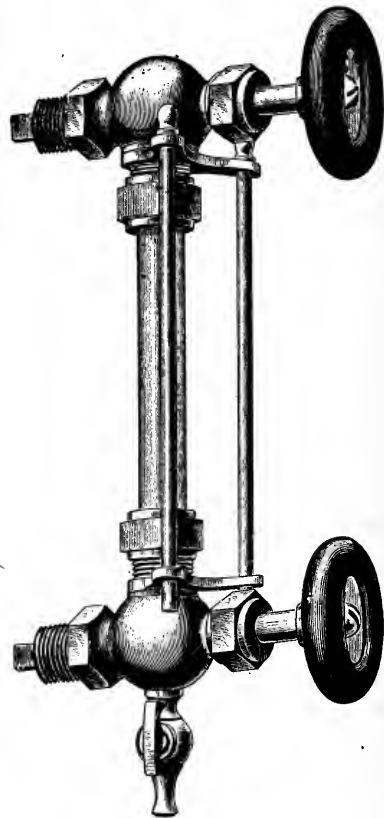


FIG. A-631.

ROUGH BRASS BODY, IRON WHEEL, WATER GAUGES

$\frac{3}{8}$ -inch Pipe Connections.	$\frac{5}{8}$ x10 Glass	Each	2.75
$\frac{1}{2}$ -inch Pipe Connections.	$\frac{5}{8}$ x12 Glass	Each	3.00
$\frac{1}{2}$ -inch Pipe Connections.	$\frac{5}{8}$ x14 Glass	Each	3.25
$\frac{3}{4}$ -inch Pipe Connections.	$\frac{3}{4}$ x16 Glass	Each	4.50

FINISHED BRASS BODY, WOOD WHEEL, WATER GAUGES

$\frac{3}{8}$ -inch Pipe Connections.	$\frac{5}{8}$ x10 Glass	Each	3.75
$\frac{1}{2}$ -inch Pipe Connections.	$\frac{5}{8}$ x12 Glass	Each	4.25
$\frac{1}{2}$ -inch Pipe Connections.	$\frac{5}{8}$ x14 Glass	Each	4.50
$\frac{3}{4}$ -inch Pipe Connections.	$\frac{3}{4}$ x16 Glass	Each	5.50

WATER GAUGES

FINISHED BRASS BODY

ROUGH BRASS BODY

WOOD WHEEL

FOR EXPANSION TANKS

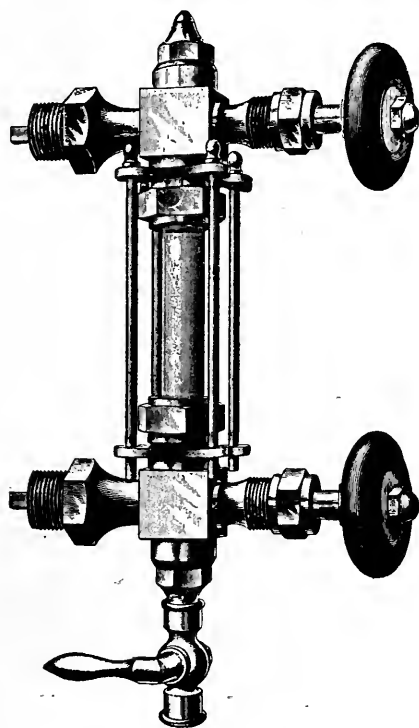


FIG. A-632.

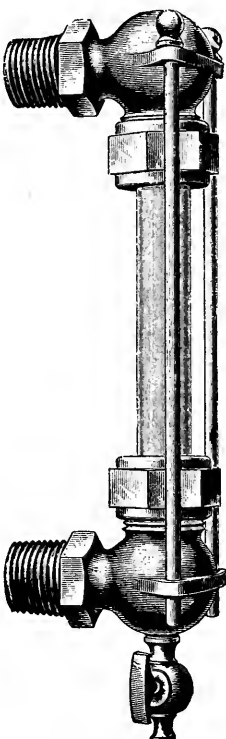


FIG. A-633.

FINISHED, SQUARE BRASS BODY, WOOD WHEEL, WATER GAUGES

1/2-inch Pipe Connections.	5/8x12 Glass	-----	Each	6.00
1/2-inch Pipe Connections.	5/8x14 Glass	-----	Each	6.50
3/4-inch Pipe Connections.	3/4x16 Glass	-----	Each	8.00

ROUGH BRASS BODY WATER GAUGES

FOR EXPANSION TANKS

1/2-inch Pipe Connections.	5/8x12 Glass	-----	Each	2.60
----------------------------	--------------	-------	------	------

EXTRA BRASS GUARDS

FOR WATER GAUGES

Length of Guards	Inches	12	14	16	18	20
Price	Each	.15	.20	.25	.30	.35

SCOTCH GLASS TUBES

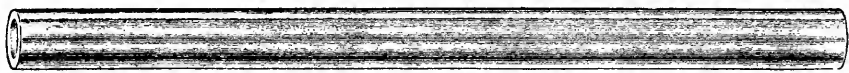


FIG. A—634.

Length ----- Inches	10	12	14	16	18	20	22	24
½-inch Diameter ----- Each	.25	.30	.35	.40	.45	.50	.55	.60
⅝-inch Diameter ----- Each	.25	.30	.35	.40	.45	.50	.55	.60
¾-inch Diameter ----- Each	.30	.37	.43	.49	.55	.62	.68	.74
⅞-inch Diameter ----- Each	.42	.51	.59	.66	.76	.85	.93	1.01
1-inch Diameter ----- Each	.51	.61	.71	.81	.91	1.01	1.12	1.22

'BROCKTON"  
GLASS TUBE CUTTERS



FIG A—635.

"CHESTERTON"  
GLASS TUBE CUTTERS

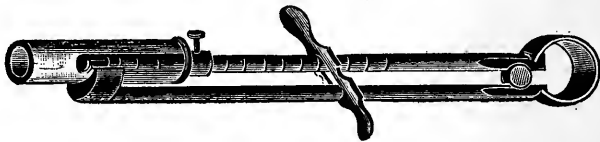


FIG. A—636.

Price ----- Each 1.00

Price ----- Each 2.50

THERMOMETERS FOR HOT WATER HEATERS

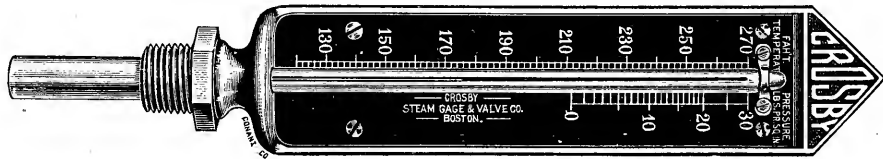


FIG. A—637.

Straight -----	Each 5.00
Angle -----	Each 6.00

FUSIBLE PLUGS



FIG. A—638.

Size ----- Inches	½	¾	1	1¼	1½	2
Price ----- Each	.60	.75	1.00	1.50	2.00	3.00

LEVER HANDLE OIL CUP      HINGED LID OIL CUP

PLAIN OIL CUP



FIG. A-539.

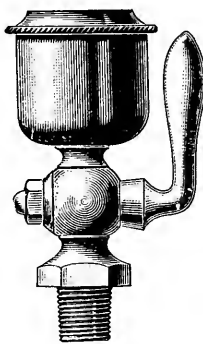


FIG. A-640.

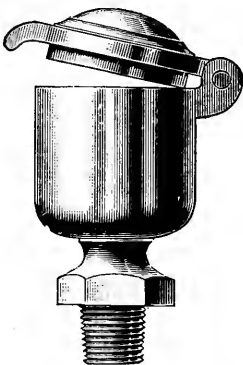


FIG. A-641.

Number .....	00	0	1	2	3	4	5	6	7
Outside Diameter.....Inches	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2
Pipe Thread.....Inches	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$
Plain.....Each	.25	.30	.35	.40	.60	.90	1.25	1.60	1.75
Lever Handle.....Each		.90	1.00	1.10	1.60	2.20	2.75	3.00	3.25
Hinged Lid.....Each.			.80	1.00	1.40	1.85	2.40	2.75	3.10

"MARINE"

SCREW FEED, GREASE CUP

"TIGER"

PLAIN GREASE CUP

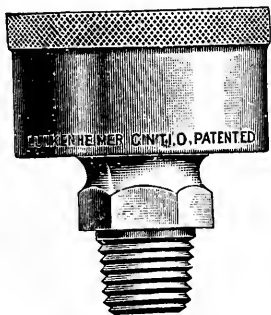


FIG. A-542.

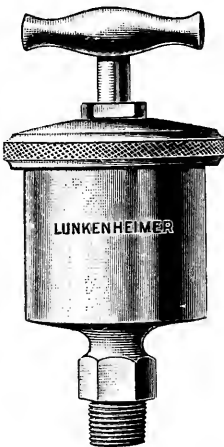


FIG. A-643.

"TIGER" PLAIN GREASE CUP

Number .....	00	0	1	2	3	4
Pipe Thread.....Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$
Capacity.....Ounces	$\frac{1}{2}$	$\frac{2}{3}$	1	2	$3\frac{1}{2}$	5
Rough Brass.....Each	.56	.74	.96	1.28	1.76	2.30
Finished Brass.....Each	.70	.90	1.15	1.50	2.15	2.90

"MARINE" SCREW FEED, GREASE CUP

Number .....	00	0	1	2	3	4
Pipe Thread.....Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$
Capacity.....Ounces	$\frac{1}{3}$	1	$1\frac{1}{2}$	3	6	10
Finished Brass.....Each	1.00	1.20	1.60	2.00	2.80	4.00

"JEWEL"  
AUTOMATIC GREASE CUP

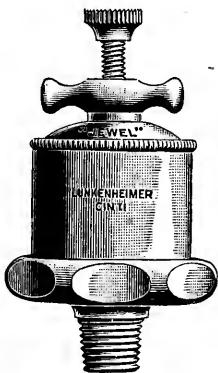


FIG. A-644.

"IDEAL"  
AUTOMATIC GREASE CUP

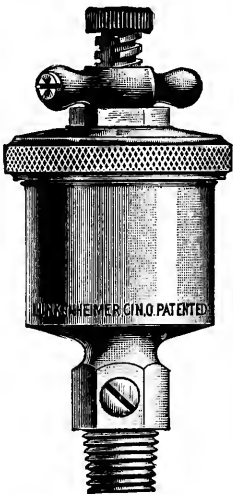


FIG. A-645.

Number .....	00	0	1	2	3	4
Pipe Thread .....	Inches $\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$
Capacity .....	Ounces $\frac{1}{3}$	1	1 $\frac{1}{2}$	3	6	10
"Jewel," Finished Brass .....	Each .80	1.00	1.30	1.70	2.30	3.20
"Ideal" Finished Brass .....	Each 1.50	2.00	2.50	3.20	4.30	6.00

"SENTINEL"  
SNAP LEVER, SIGHT FEED, OIL CUP

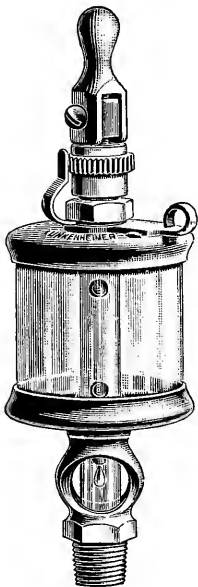


FIG. A-646.

FIGURE AT LEFT, SHOWS  
LEVER UP, AND CUP  
FEEDING

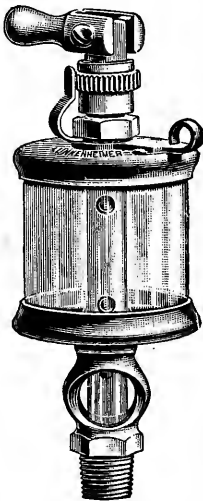


FIG. A-647.

FIGURE AT RIGHT, SHOWS  
LEVER DOWN, AND FEED  
STOPPED

Number .....	0	1	1 $\frac{1}{2}$	2	3	4	5	6
Pipe Thread .....	Inches $\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$
Capacity .....	Ounces $\frac{5}{8}$	1	1 $\frac{1}{2}$	2 $\frac{1}{2}$	4	5	10	18
Finished Brass .....	Each 3.00	3.25	3.50	3.75	4.25	5.25	7.25	9.25
Nickel-plated .....	Each 3.50	3.75	4.00	4.25	4.75	5.75	8.00	10.25



'PIONEER"

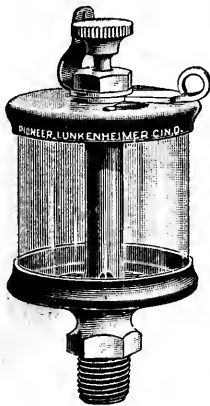


FIG. A-648.

SLIDE TOP  
GLASS  
OIL CUPS

"ROYAL"

SIGHT FEED

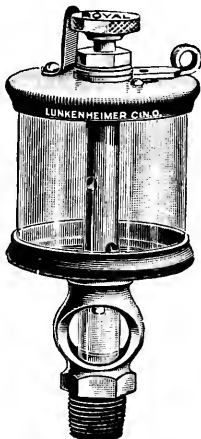


FIG. A-649.

Number .....	000	00	0	1	1 1/2	2	3	4	5	6
Pipe Thread.....Inches	1/8	1/8	1/8	1/4	1/4	3/8	3/8	3/8	1/2	1/2
Capacity .....Ounces	1/4	1/2	5/8	1	1 1/2	2 1/4	4	5	10	18
"Pioneer," Finished Brass.....Each	.70	.75	.80	1.00	1.25	1.50	1.90	2.40	3.10	4.00
"Royal," Finished Brass.....Each	.95	1.10	1.25	1.50	1.75	2.10	2.55	3.15	3.90	4.80

AUTOMATIC ROD CUPS

SCREW FEED

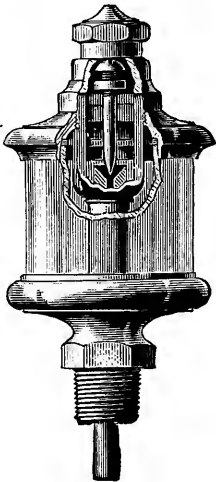


FIG. A-650.

FOR  
ENGINE  
CRANK  
PINS

Number .....	0	1	1 1/2	2	3	4
Pipe Thread .....Inches	1/8	1/4	1/4	3/8	3/8	3/8
Capacity .....Ounces	5/8	1	1 1/2	2 1/2	4	5
Finished Brass .....Each	1.10	1.50	2.00	2.50	3.00	4.00

EXTRAS

GLASSES AND CORK WASHERS FOR OIL CUPS

Number .....	000	00	0	1	1 1/2	2	3	4	5	6
Diameter of Glass.....Inches	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3	3 1/2
Glasses.....Each	.15	.20	.25	.30	.35	.40	.45	.75	1.00	1.75
Cork Washers.....Per dozen	.45	.55	.75	.90	1.10	1.20	1.35	1.50	1.80	2.25

PLAIN ENGINE LUBRICATORS

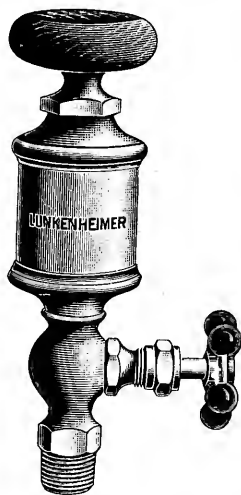


FIG. A-651.

Number .....	00	0	1	2	3	4	5	6	7
Pipe Thread.....Inches	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$
Capacity.....Ounces	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$2\frac{1}{2}$	4	5	10	18
Finished Brass.....Each	2.00	2.20	2.40	2.60	2.90	3.25	3.75	4.75	7.00

"SWIFT" LUBRICATORS

DOUBLE CONNECTION

SINGLE CONNECTION

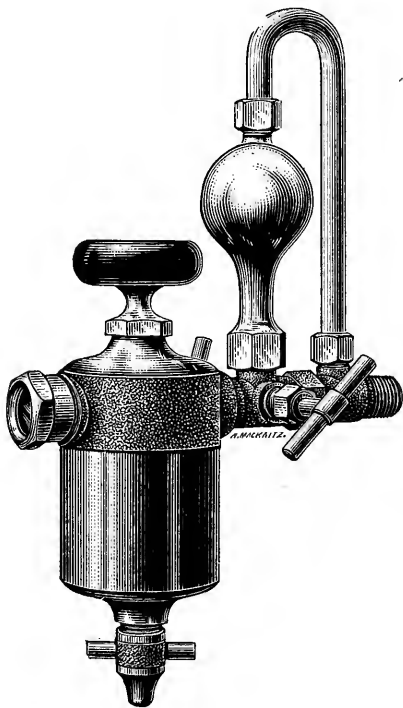


FIG. A-652.

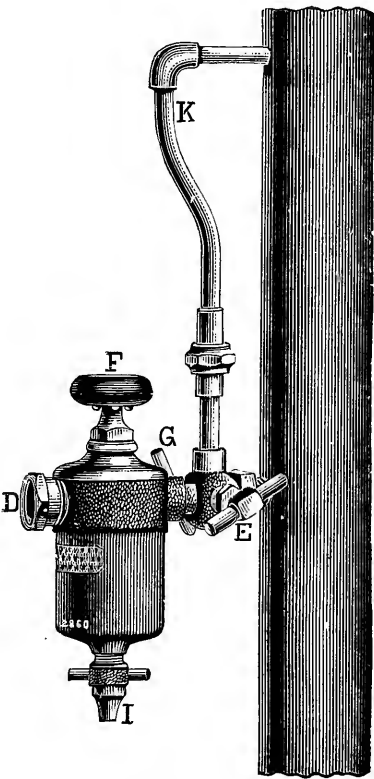


FIG. A-653.

Capacity.....Pints	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{2}$	1	$1\frac{1}{2}$	2
Pipe Thread.....Inches	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Single Connection, Finished Brass.....Each	10.00	12.00	16.00	22.00	28.00	34.00
Double Connection, Finished Brass.....Each	10.00	12.00	16.00	22.00	28.00	34.00

"DETROIT" LUBRICATORS

SINGLE CONNECTION

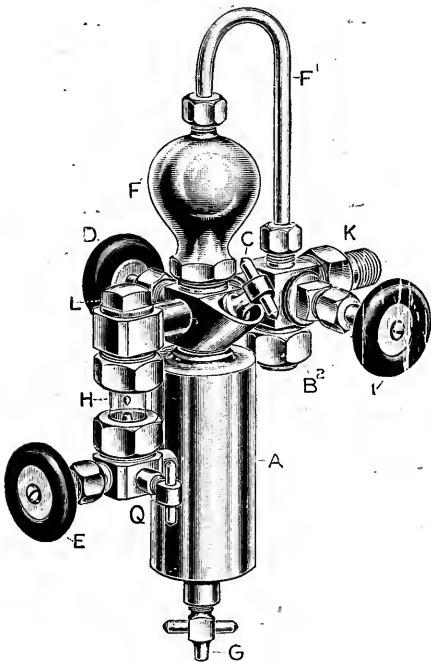


FIG. A-654.

DOUBLE CONNECTION

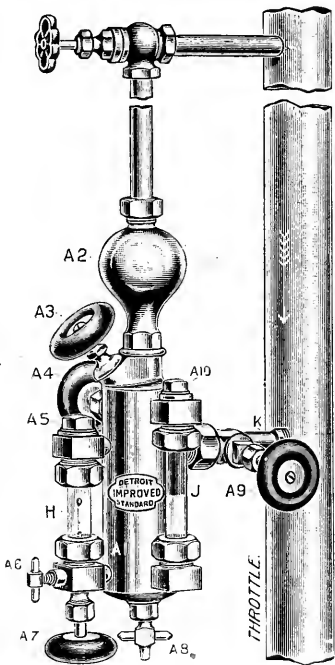


FIG. A-655.

Capacity.....	Pints	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{2}$	1	2
Single Connection, Finished Brass.....	Each	15.00	17.00	20.00	28.00	42.00
Double Connection, Finished Brass.....	Each		17.00	22.00	30.00	45.00

LUNKENHEIMER LUBRICATORS

"JUNIOR"

SINGLE CONNECTION

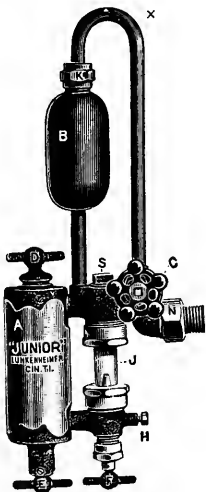


FIG. A-656.

"SENIOR"

DOUBLE CONNECTION

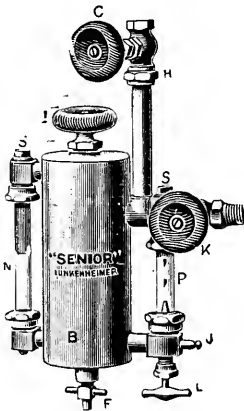


FIG. A-657.

Capacity.....	Pints	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{2}$	$\frac{2}{3}$	1	1 $\frac{1}{2}$	2
Pipe Thread.....	Inches	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Single Connection, Finished Brass....	Each	7.00	8.00	10.00				
Double Connection, Finished Brass---	Each	12.00	15.00	17.00	20.00	22.00	25.00	28.00

"PENBERTHY"  
AUTOMATIC INJECTOR

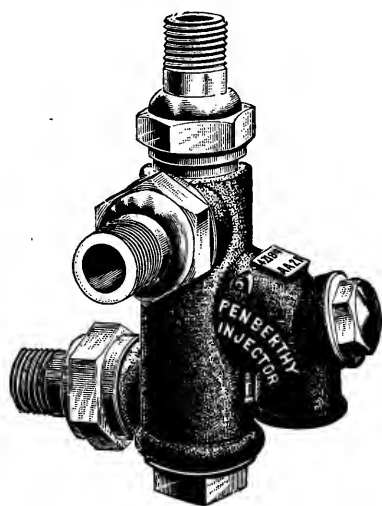


FIG. A-658.

"PENBERTHY"  
INJECTOR REPAIRS

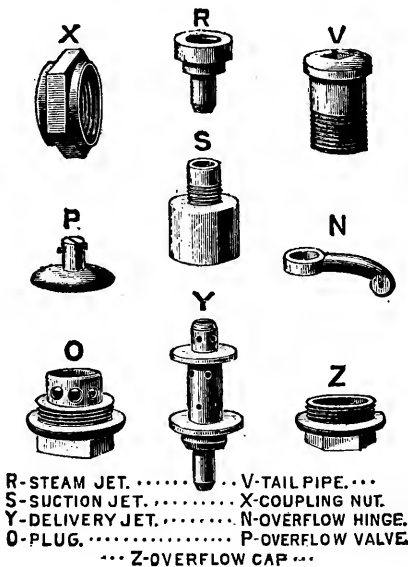


FIG. A-659.

PENBERTHY AUTOMATIC INJECTOR

SIZE	HORSE POWER	PIPE CONNECTIONS  INCHES	CAPACITY PER HOUR		PRICE EACH
			1 TO 3 FOOT LIFT. 50 TO 75 POUNDS STEAM PRESSURE		
			MAXIMUM	MINIMUM	
00	4 to 8	3⁄8	80 Gallons	55 Gallons	16.00
A	8 “ 16	1⁄2	135 “	70 “	18.00
AA	12 “ 22	1⁄2	180 “	100 “	20.00
B	17 “ 32	3⁄4	260 “	140 “	25.00
BB	20 “ 45	3⁄4	355 “	170 “	30.00
C	40 “ 65	1	475 “	300 “	40.00
CC	45 “ 80	1	600 “	350 “	45.00
D	50 “ 100	1 1⁄4	800 “	425 “	55.00
DD	75 “ 135	1 1⁄4	1000 “	525 “	60.00
E	100 “ 180	1 1⁄2	1400 “	800 “	75.00
EE	115 “ 255	1 1⁄2	1900 “	900 “	90.00
F	160 “ 320	2	2400 “	1300 “	110.00
FF	200 “ 400	2	3000 “	1600 “	125.00

PENBERTHY INJECTOR REPAIRS

SIZE OF INJECTOR	00	A OR AA	B OR BB	C OR CC	D OR DD	E	EE	F	FF
R—Steam Jet..... Each	.25	.35	.45	.55	.65	.75	.75	.85	1.00
S—Suction Jet..... Each	.25	.35	.45	.55	.65	.75	.75	.85	1.00
Y—Delivery Jet..... Each	1.25	1.50	2.00	2.50	3.00	3.75	4.50	5.50	6.50
X—Coupling Nut..... Each	.25	.30	.40	.50	.60	1.25	1.25	1.50	1.50
V—Tail Pipe..... Each	.25	.30	.40	.50	.60	.80	.80	1.00	1.00
Z—Overflow Cap..... Each	.30	.40	.50	.60	.70	.80	.80	.90	.90
P—Overflow Valve..... Each	.40	.50	.60	.75	.90	1.00	1.10	1.25	1.25
N—Overflow Hinge..... Each	.10	.10	.15	.15	.15	.20	.20	.20	.20
O—Plug..... Each	.60	.80	1.00	1.25	1.50	1.75	1.75	2.00	2.00
Strainer..... Each	.40	.40	.50	.50	.60	.75	.75	1.00	1.00

"U S" AUTOMATIC INJECTORS

STANDARD STYLE

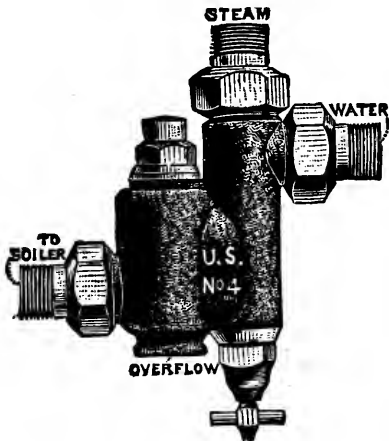


FIG. A-660.

STYLE D

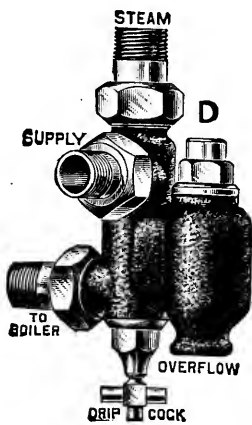


FIG. A-661.

"U S" AUTOMATIC INJECTORS

SIZE	HORSE POWER	PIPE CONNECTIONS	CAPACITY PER HOUR		PRICE  EACH
		INCHES	4 FOOT LIFT. 80 POUNDS STEAM PRESSURE		
			MAXIMUM	MINIMUM	
00	1 to 4	¼	36 Gallons	15 Gallons	13.00
0	3 “ 8	⅜	65 “	28 “	14.00
1	6 “ 10	⅜	90 “	40 “	16.00
2	8 “ 15	½	125 “	60 “	18.00
3	15 “ 20	½	170 “	75 “	20.00
4	20 “ 30	¾	250 “	125 “	25.00
5	30 “ 40	1	340 “	140 “	30.00
6	40 “ 60	1	475 “	250 “	40.00
7	60 “ 70	1	575 “	300 “	45.00
8	70 “ 85	1¼	750 “	350 “	55.00
9	85 “ 120	1¼	920 “	450 “	60.00
10	120 “ 165	1½	1350 “	675 “	75.00
11	165 “ 230	1½	1750 “	850 “	90.00
12	230 “ 295	2	2275 “	1000 “	110.00
13	295 “ 375	2	2820 “	1300 “	125.00
14	375 “ 460	2	3400 “	1700 “	150.00
15	460 “ 500	2½	3650 “	1800 “	175.00
16	500 “ 600	2½	4000 “	1950 “	200.00

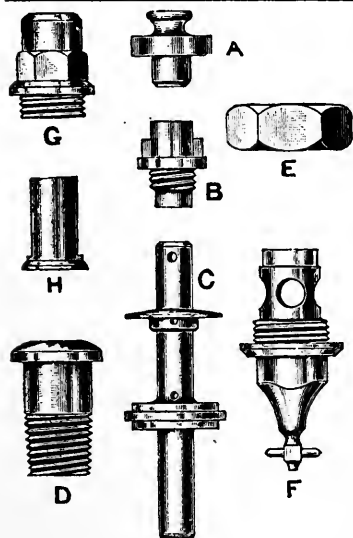


FIG. A-662.

"U S" INJECTOR REPAIRS

SIZE OF INJECTOR	00	4	6	8	10	12
	TO 3	OR 5	OR 7	OR 9	OR 11	TO 14
A—Steam Jet.....	Each .80	1.00	1.15	1.35	1.60	2.00
B—Suction Jet.....	Each .50	.75	1.25	1.50	1.75	2.00
C—Delivery Tube.....	Each 1.00	1.10	1.45	1.75	2.00	2.50
D—Tail Pipe.....	Each .30	.35	.40	.50	.75	1.00
E—Tail Pipe Nut.....	Each .30	.40	.50	.65	.85	1.20
F—Delivery Cap.....	Each 1.00	1.10	1.45	1.75	2.00	2.50
G } Overflow Cap and Valve....	.80	.95	1.00	1.25	1.50	2.00
H }						

STEAM JET PUMP

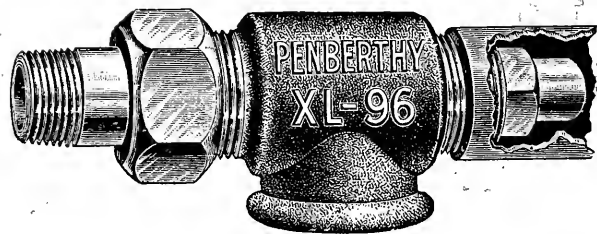


FIG. A-663.

Number.....	1	2	3	4	5	6
Suction and Delivery, Size.....Inches	½	¾	1	1¼	1½	2
Steam Connection, Size.....Inches	⅜	½	¾	1	1	1¼
Capacity per hour (65 pounds Steam, 3 foot Lift).....Gallons	240	500	840	1350	1950	3500
Price, all Brass.....Each	8.00	10.00	15.00	20.00	25.00	35.00

KIELEY STANDARD STEAM TRAP

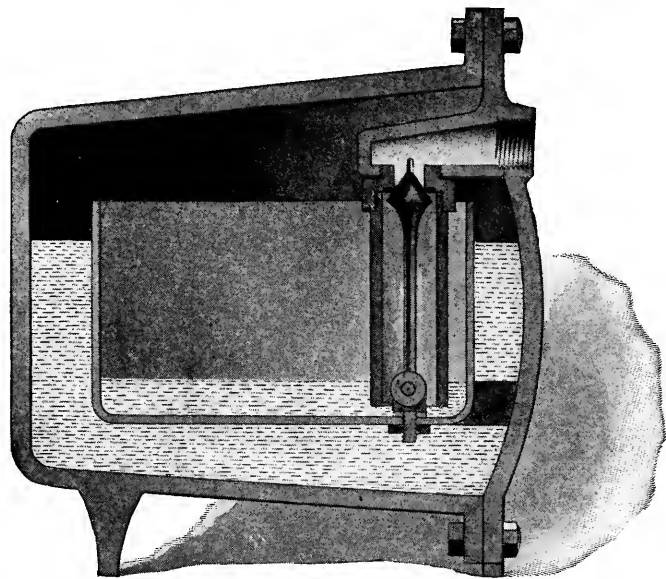


FIG. A-664.

“KIELEY” HIGH AND LOW PRESSURE STEAM TRAPS

NUMBER	INLET AND OUTLET CONNECTIONS		CAPACITY LINEAL FEET	CAPACITY SQUARE FEET	CAPACITY POUNDS WATER PER HOUR	PRICE EACH
	SIZE	INCHES	1-INCH PIPE	RADIATION		
1	¾		4000	1300	500	25.00
2	1		6000	2000	725	35.00
3	1¼		10000	3300	1200	45.00
4	1½		15000	5000	2000	60.00
5	2		25000	8300	3000	80.00
6	2½		35000	11500	4000	100.00
7	3		50000	16500	6000	125.00

STANDARD STEAM TRAPS

NASON STEAM TRAPS

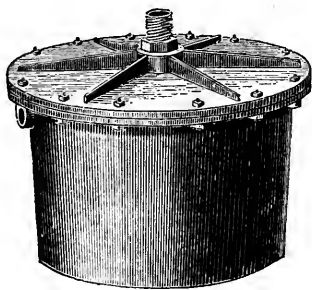


FIG. A-665.

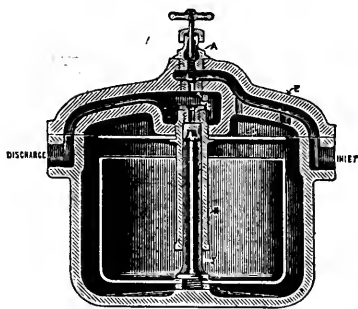


FIG. A-666.

STANDARD STEAM TRAPS

Size-----	Inches	12	15	18
Drainage Capacity, 1-inch Pipe-----	Feet	1500	3500	5000
Price-----	Each	23.00	36.00	54.00

NASON STEAM TRAPS

Number-----	1	2	3	4	5
Drainage Capacity, 1-inch Pipe-----	1050	2700	4200	6000	10500
Price-----	16.00	20.00	27.50	42.50	70.00

DAVIS PRESSURE REGULATOR

No. 1

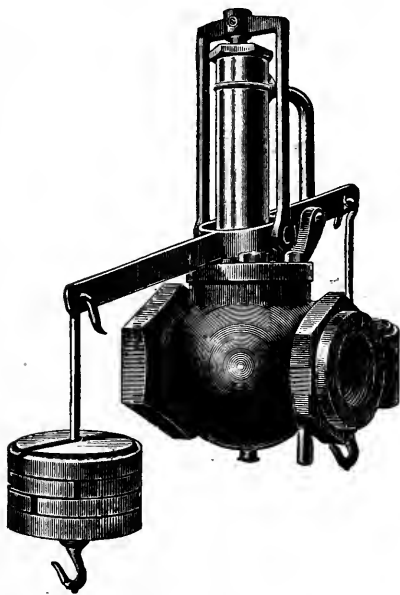


FIG. A-667.

No. 2

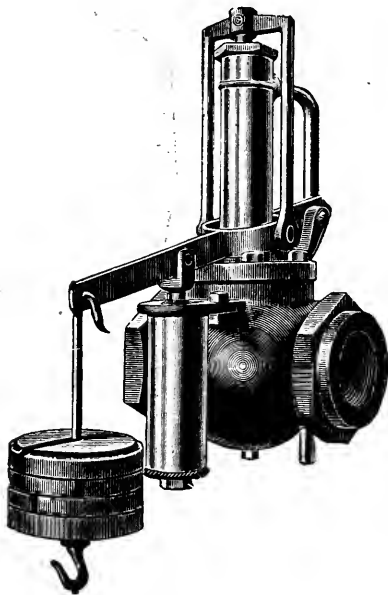


FIG. A-668.

FOR  
REGULATING  
STEAM  
PRESSURE

Size-----	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Fig. A-667-----	Each	20.00	22.00	24.00	25.00	30.00	35.00	40.00	50.00	60.00
Fig. A-668-----	Each	25.00	27.00	29.00	30.00	36.00	42.00	48.00	58.00	70.00

NOTE—No. 1 Pressure Regulator is designed for use where the pressure is uniform. No. 2 Regulator is the same as No. 1, with the addition of an Oil Cylinder (Dash Pot) and is intended for use where the pressure is variable.

EXPANSION JOINTS

STEAM METAL

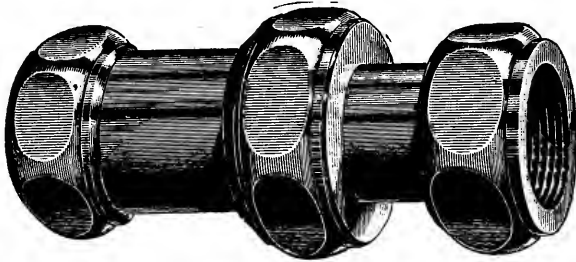


FIG. A-669

STANDARD TRAVERSE

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Traverse .....	Inches	2	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{3}{4}$
Price .....	Each	1.50	2.20	2.75	4.00	5.00	8.00	17.50	24.00

SPECIAL TRAVERSE

Traverse ..	Inches	Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
6		Price .....	Each	8.25	9.00	10.00	11.50	13.50
8		Price .....	Each	9.00	10.00	11.25	13.00	15.50
10		Price .....	Each	9.75	11.00	12.50	14.50	17.50
12		Price .....	Each	10.50	12.00	13.75	16.00	19.50

EXPANSION JOINTS

BRASS SLEEVE

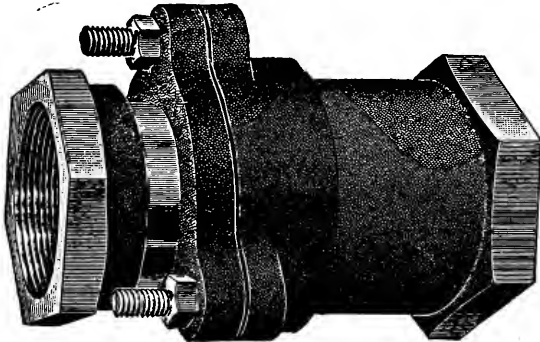


FIG. A-670.

STANDARD TRAVERSE

Size .....	Inches	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7	8
Traverse .....	Inches	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	4	5	6	7
Price .....	Each	7.00	8.00	10.00	14.00	18.00	38.00	45.00	70.00	100.00

SPECIAL TRAVERSE

Traverse ..	Inches	Size .....	Inches	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	5	6	7
6		Price .....	Each	11.00	13.00	17.50	25.00	30.00	45.00	55.00	
10		Price .....	Each	16.00	19.00	25.00	35.00	42.00	62.00	80.00	100.00
12		Price .....	Each	18.50	22.00	29.00	40.00	48.00	70.00	92.50	115.00
14		Price .....	Each	21.00	25.00	33.00	45.00	54.00	78.00		
16		Price .....	Each	23.50	28.00	37.00	50.00	60.00	86.00		
18		Price .....	Each	26.00	31.00	41.00	55.00	66.00			

NOTE—When used for High Pressure Steam, the expansion is 1 inch in 50 feet of pipe.



MUELLER WATER PRESSURE REGULATOR



FIG. A-671.

Size.....Inches	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
For Iron Pipe.....Each	10.00	10.00	13.00	17.50	24.00	40.00	55.00
For Lead Pipe.....Each	10.50	10.50	13.70				

LENNOX TAPPING MACHINE

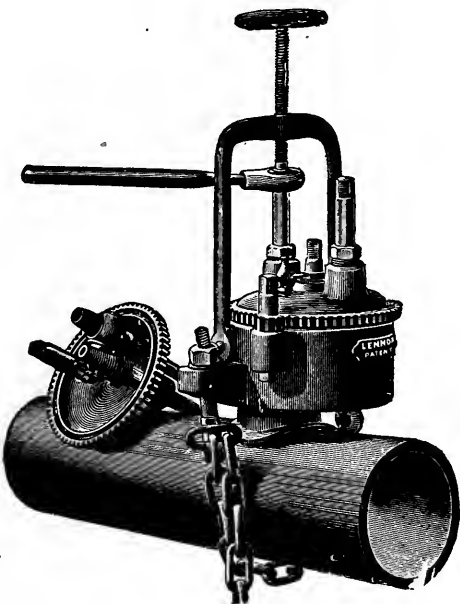


FIG. A-672.

Price, Complete, with Combined Drills and Taps. Screw or Hexagon Plugs and Iron Saddles and Chain.....	100.00
--	--------

BRASS GAS FIXTURE FITTINGS

INDEPENDENT  
HOSE COCKS



FIG. A-675.

HOSE COCKS

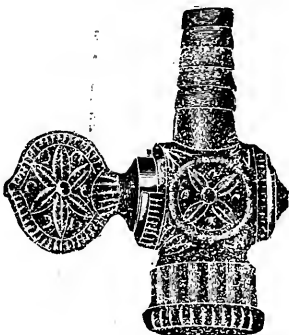


FIG. A-674.

PILLAR COCKS



FIG. A-673.

Size .....	Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
Pillar Cocks .....	Per dozen	3.90	4.25	4.55	
Hose Cocks .....	Per dozen	4.25	4.55	4.90	5.55
Independent Hose Cocks .....	Per dozen	7.00	7.00	7.00	

L BURNER COCKS

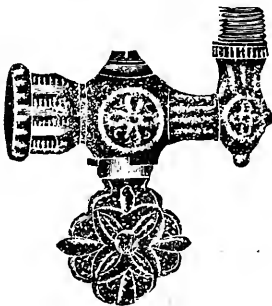


FIG. A-676.

Size .....	Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$
Price .....	Per dozen	4.25	4.55	5.20

2 LIGHT  
PENDANT COCKS

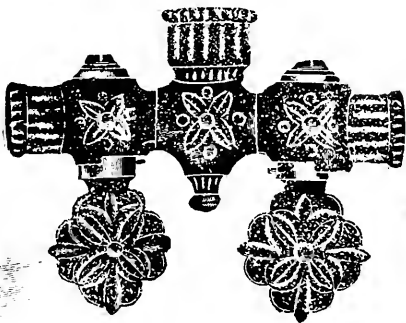


FIG. A-678.

UNIVERSAL  
PENDANT COCKS



FIG. A-679.

STRAIGHT COCKS



FIG. A-677.

Size .....	Inches	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{1}{2}$
Straight Cocks .....	Per dozen	3.90	4.25	4.55	4.55	4.55	4.90	6.20
2 Light Pendant Cocks .....	Per dozen	8.45	8.45	9.10	9.10	9.10	10.25	
Universal Pendant Cocks .....	Per dozen	8.60	8.80	9.10	9.45	9.75	10.00	

BRASS GAS FIXTURE FITTINGS

2 LIGHT  
BRACKET BODY



FIG. A-680.

STIFF JOINT

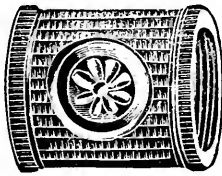


FIG. A-681.

SWING JOINT



FIG. A-682.

Size .....	Inches	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{3}{8} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{3}{8}$	$\frac{1}{2} \times \frac{1}{2}$
2 Light Bracket Bodies .....	Per doz						3.90			
Stiff Joints .....	Per doz				1.55	1.85	1.95	2.60	2.60	3.25
Swing Joints .....	Per doz	4.25	4.55	4.90	5.20	5.55	6.20			

HOSE ENDS



FIG. A-683.

STRAIGHT NOZZLE



FIG. A-684.

SIDE NOZZLE



FIG. A-685.

Size .....	Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$
Hose Ends .....	Per dozen	2.60	2.95	3.25
Straight Nozzles .....	Per dozen	1.00	1.65	1.95
Side Nozzles .....	Per dozen	1.00	1.65	2.30

ACETYLENE GAS BURNERS

"WILLIAMSON"



FIG. A-686.

"BRAY"



FIG. A-687.

"SHAFFER GEM"

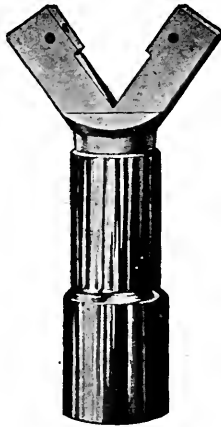


FIG. A-688.

"HAHN"

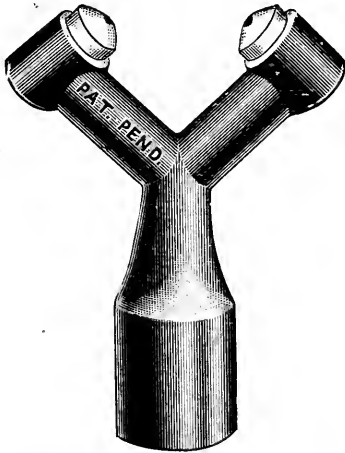


FIG. A-689.

Capacity per hour .....	Feet	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
"Williamson" .....	Each	.10	.10	.10	.10
"Bray" .....	Each	.11	.11	.11	.11
"Shaffer Gem" .....	Each	.60	.60	.60	.80
"Hahn" .....	Each	.40	.40	.40	.40

POLISHED BRASS GAS BRACKETS

(SQUARE PATTERN)

STIFF STRAIGHT BRACKET

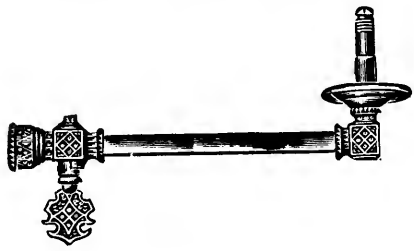


FIG. A-690.

Extends 7 inches ----- Each .58

STIFF CURVED BRACKET

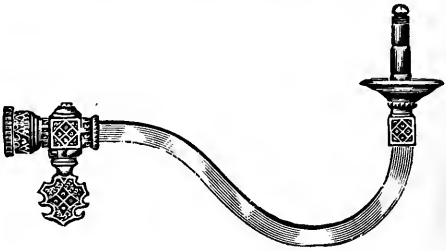


FIG. A-691.

Extends 8 inches ----- Each .65

1-SWING BRACKET

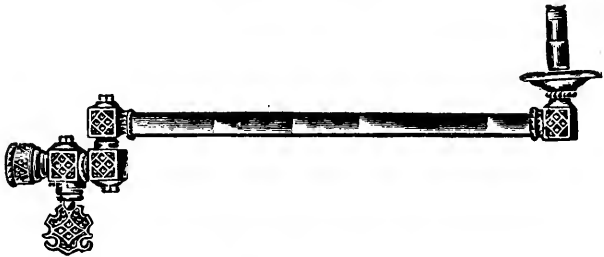


FIG. A-692.

Extends 11 1/2 inches ----- Each .90

2-SWING BRACKET

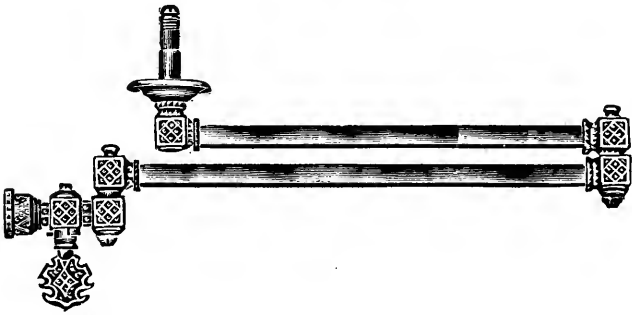


FIG. A-693.

Extends 21 inches ----- Each 1.25

3-SWING BRACKET

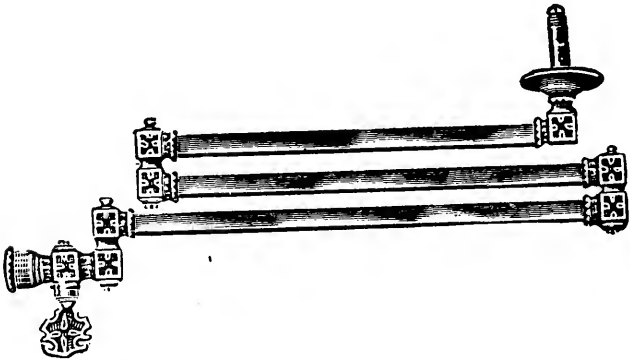


FIG. A-694.

Extends 30 inches ----- Each 1.65

POLISHED BRASS GAS BRACKETS

(ROUND PATTERN)

STIFF STRAIGHT BRACKETS

STIFF CURVED BRACKETS

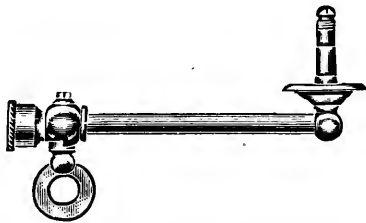


FIG. A-695.

Extends 6½ inches-----Each .75

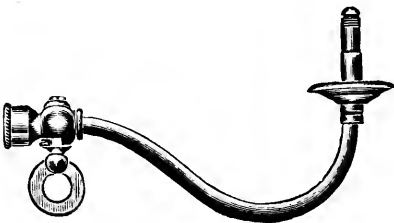


FIG. A-696.

Extends 7 inches -----Each .90

1-SWING BRACKET

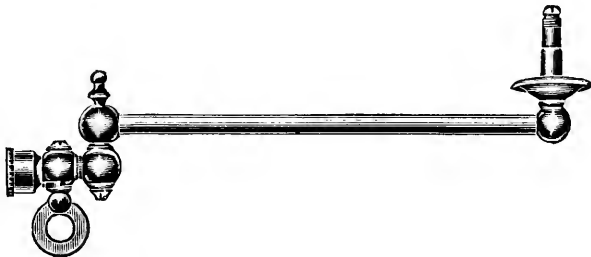


FIG. A-697.

Extends 11 inches-----Each 1.25

2-SWING BRACKET

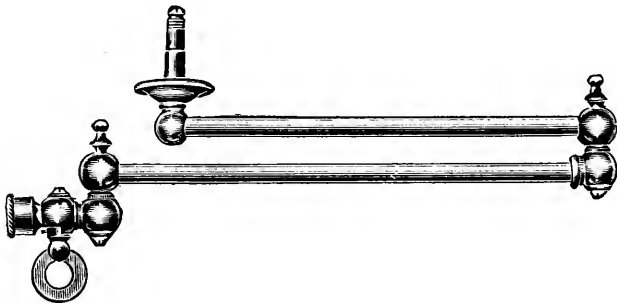


FIG. A-698.

Extends 21 inches-----Each 2.00

3-SWING BRACKET

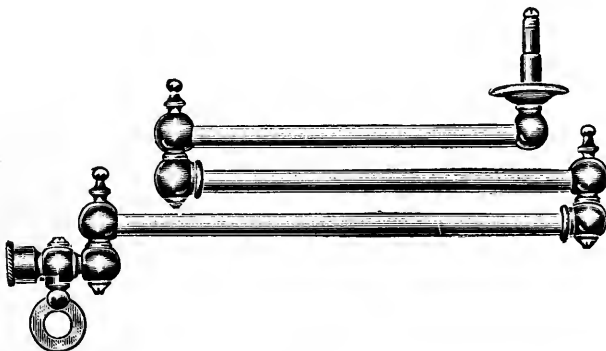


FIG. A-699.

Extends 30 inches-----Each 2.75

HOSE NOZZLES

PLAIN, TO TIE ON

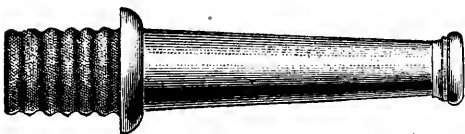


FIG. A-700.

Size .....	Inches	$\frac{3}{4}$	1
Length .....	Inches	$4\frac{1}{2}$	$4\frac{1}{2}$
Price .....	Per dozen	3.50	4.00

PLAIN, TO SCREW ON

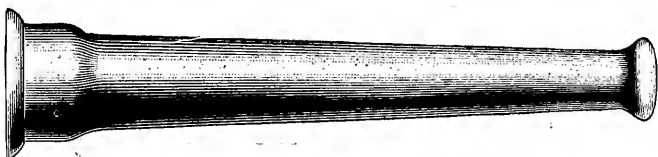


FIG. A-701.

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Length .....	Inches	8	8	12	12	12
Price .....	Per dozen	7.00	9.00	18.00	22.00	34.00

SCREW TIP

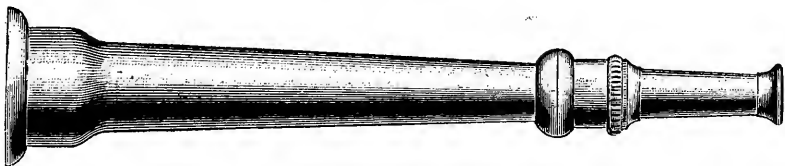


FIG. A-702.

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Length .....	Inches	8	8	12	12	12
Price .....	Per dozen	8.00	10.00	20.00	25.00	38.00

SCREW TIP AND COCK

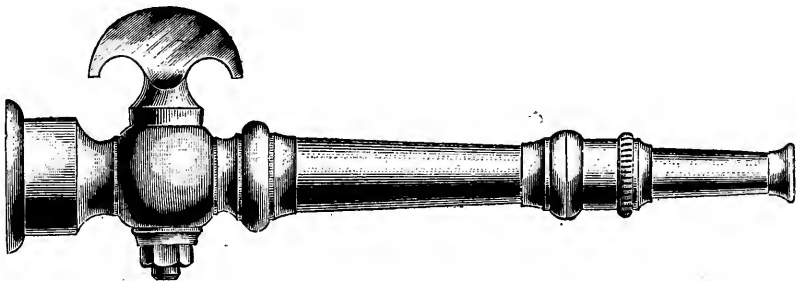


FIG. A-703.

Size .....	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Length .....	Inches	8	8	12	12	12
Price .....	Per dozen	13.00	15.00	40.00	55.00	80.00

"GEM" HOSE NOZZLE

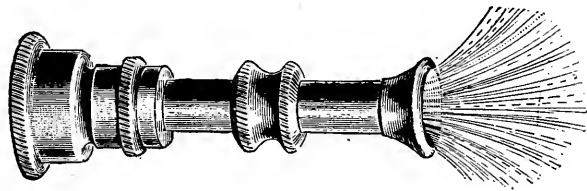


FIG. A-704.

THROWS SPRAY OR SOLID STREAM

Size .....	.....Inches	$\frac{3}{4}$	1
Price .....	.....Per dozen	10.00	15.00

"WORLD" LAWN SPRINKLER

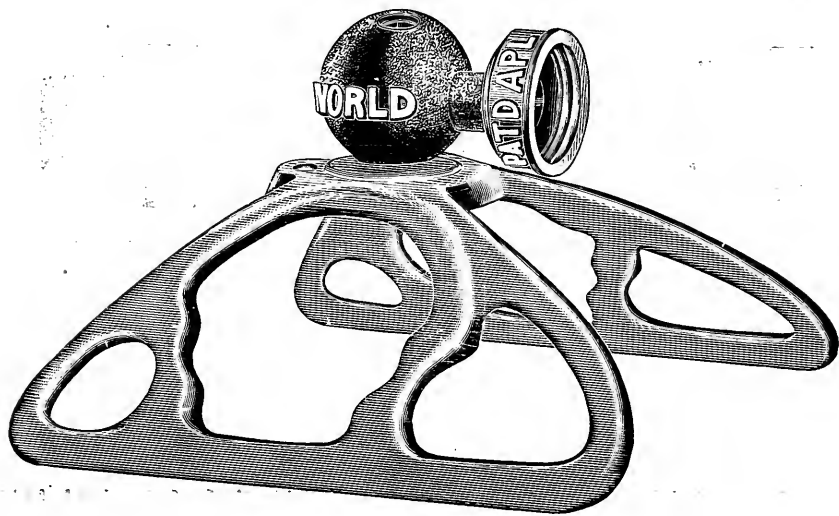


FIG. A-705.

Price .....Per dozen 12.00

FLIRTER  
LAWN SPRINKLER

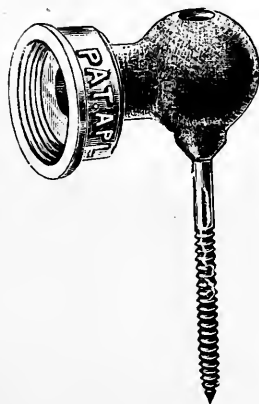


FIG. A-706.

BABY MARIAN  
LAWN SPRINKLER

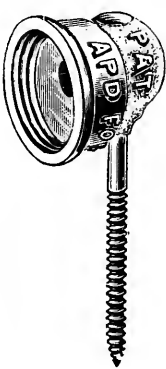


FIG. A-707.

Price .....Per dozen 8.00

Price .....Per dozen 7.00

HOSE NIPPLES

MALE



FIG. A-708.

MALE AND FEMALE

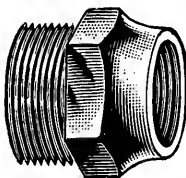


FIG. A-709.

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price .....	Per dozen	3.50	3.50	5.00	9.00	10.00	14.00	28.00	40.00

HOSE BUSHING

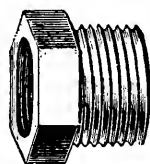


FIG. A-710.

HOSE REDUCERS

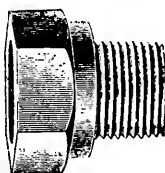


FIG. A-711.

Size .....	Inches	1 x $\frac{3}{4}$	$1\frac{1}{4}$ x $\frac{3}{4}$	$1\frac{1}{4}$ x 1	$1\frac{1}{2}$ x $1\frac{1}{4}$	2 x $1\frac{1}{2}$
Price .....	Per dozen	6.50	10.00	10.00	12.00	18.00

HOSE SPLICES

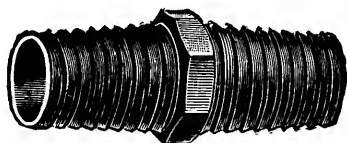


FIG. A-712.

HOSE COUPLINGS

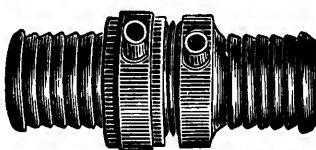


FIG. A-713.

HOSE SPLICES

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Iron .....	Per dozen	.60	.60	.75
Brass .....	Per dozen	1.20	1.20	2.00

GARDEN HOSE COUPLINGS

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Hose Thread .....	Per dozen	2.40	2.40	4.40	10.00	14.00	24.00	48.00	76.00
Iron Pipe Thread .....	Per dozen	2.65	2.65	4.65	10.50	15.00	26.00	50.00	79.00

STEAM HOSE COUPLINGS

Size .....	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Price .....	Each	1.25	1.25	1.50	2.00	2.50	3.50	6.00

Half Hose Couplings, 60 per cent of Complete Coupling.



SHERMAN HOSE CLAMPS

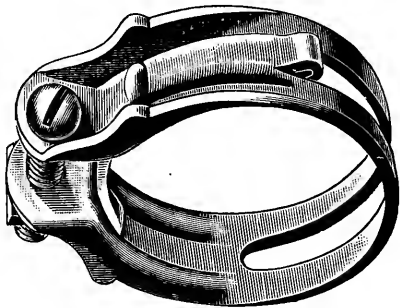


FIG. A-714.

Size .....	.....Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$
Single .....	Per dozen	.60	.60	2.00	2.50	3.00	4.00	7.00
Double .....	Per dozen	2.40	2.40					

HOSE STRAP FASTENERS

HOSE STRAPS



FIG. A-715.

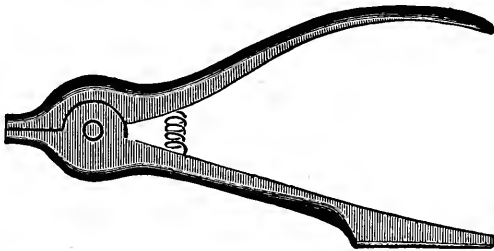


FIG. A-716.

Size .....	.....Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Hose Straps .....	Per dozen	.40	.60	.80	1.00	1.20	1.60
Hose Strap Fasteners .....	Each	.50	.50	.50	.75	.75	.75

HOSE REELS

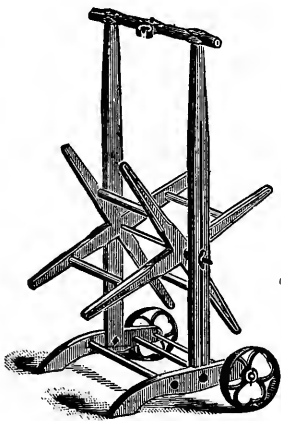


FIG. A-717.

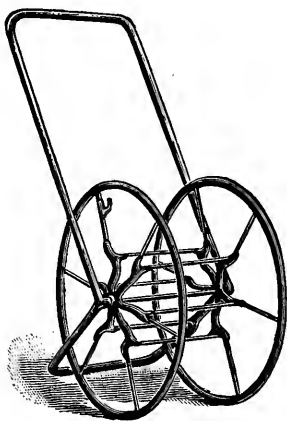


FIG. A-718.

Capacity, 100 ft. $\frac{3}{4}$ -inch Hose .....	Each 1.50
--	-----------

Capacity, 100 ft. $\frac{3}{4}$ -inch Hose .....	Each 3.50
Capacity, 150 ft. $\frac{3}{4}$ -inch Hose .....	Each 4.00

COTTON AND RUBBER HOSE

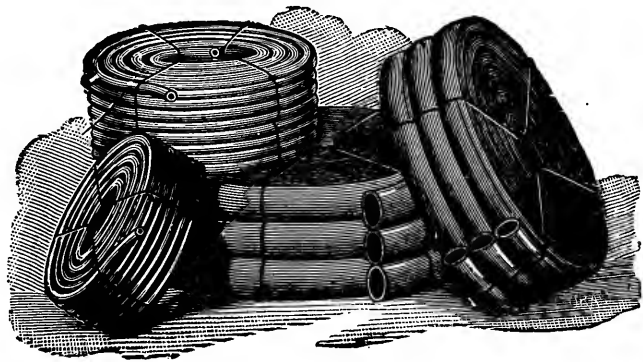


FIG. A-719.

RUBBER HOSE

Size	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
2-Ply	Per Foot	.20	.25	.33	.42	.50	.66
3-Ply	Per Foot	.25	.30	.40	.50	.60	.80
4-Ply	Per Foot	.30	.37	.50	.62	.75	1.00
5-Ply	Per Foot	.38	.46	.63	.78	.94	1.25

HARD RUBBER HOSE

Size	Inches	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
4-Ply	Per Foot	.65	.75	.93	1.13

STEAM HOSE

Size	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
3-Ply	Per Foot	.43	.51	.67	.85	1.02	1.34
4-Ply	Per Foot	.51	.67	.83	1.04	1.25	1.66
5-Ply	Per Foot	.63	.83	1.03	1.30	1.56	2.07

COTTON HOSE (RUBBER LINED)

Size	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1
Price	Per Foot	.20	.25	.35

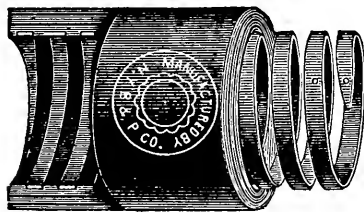


FIG. A-720.

"AGRICULTURAL"  
SPIRAL WIRE SUCTION HOSE

Size	Inches	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price	Per Foot	.75	.93	1.13	1.50

WINDING HOSE WITH WIRE

Size	Inches	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
3-Ply	Per Foot	.03	.04	.05	.07	.08	.10
4-Ply	Per Foot	.04	.05	.07	.08	.09	.11
5-Ply	Per Foot	.06	.07	.09	.11	.13	.15

STEAM PACKINGS

SHEET PACKING

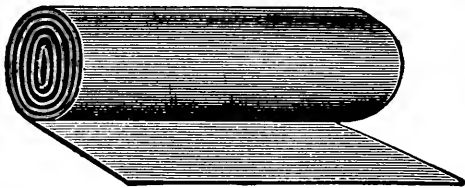


FIG. A—721.

CLOTH ON ONE OR BOTH SIDES, OR CLOTH INSERTION

Thickness .....	Inches	$\frac{1}{64}$	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$
1-Ply .....	Per Pound	.70	.65	.60	.55	.55	.55	.55
2-Ply .....	Per Pound			.63	.58	.55	.55	.55
3-Ply .....	Per Pound			.66	.61	.58	.55	.55
4-Ply .....	Per Pound					.61	.58	.55

NOTE—One Ply of Cloth to every  $\frac{1}{16}$  inch in thickness.

PURE GUM SHEET PACKING .....	Per Pound	1.40
------------------------------	-----------	------

“RAINBOW” SHEET PACKING .....	Per Pound	.80
-------------------------------	-----------	-----

JENKINS SHEET PACKING .....	Per Pound	.80
-----------------------------	-----------	-----

PLUMBAGO SHEET PACKING .....	Per Pound	.80
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“HAWKEYE RED” SHEET PACKING .....	Per Pound	.60
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STEAM PACKINGS

SQUARE PISTON PACKING

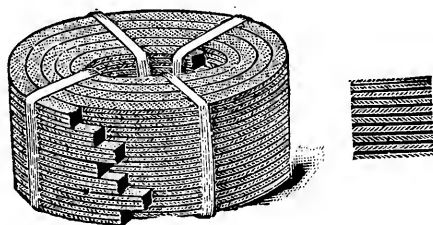


FIG. A-722.

ROUND PISTON PACKING

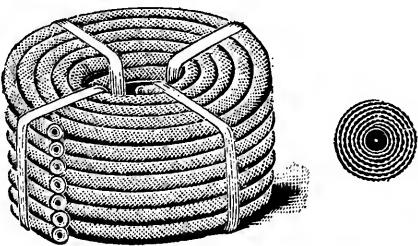


FIG. A-723.

SQUARE DUCK PISTON PACKING

Size -----Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$
	In 20-Foot Lengths; all sizes ----- Per Pound								.85

SQUARE DUCK PISTON PACKING

WITH RUBBER BACK

Size -----Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$
	In 20-Foot Lengths; all sizes ----- Per Pound								1.00

ROUND DUCK PISTON PACKING

WITH RUBBER CORE

Size -----Inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$
	In 20-Foot Lengths; all sizes ----- Per Pound								.85

SPIRAL RING PACKING

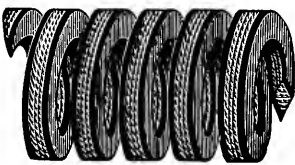


FIG. A-724.

GARLOCK SPIRAL RING PACKING

$\frac{1}{8}$ to $1\frac{1}{4}$ Inches-----	Per Pound 1.20
---	----------------

CRANDALL SPIRAL RING PACKING

$\frac{1}{8}$ to $1\frac{1}{4}$ Inch-----	Per Pound 1.20
---	----------------

SQUARE FLAX PACKING

Per pound ..... .45

ITALIAN HEMP PACKING

Per pound..... .30

ASBESTOS ROPE PACKING

Per pound .. ..... .45

ASBESTOS WICK PACKING

Per pound ..... .45

COTTON CANDLE WICK

Per pound..... .30

ASBESTOS PIPE COVERING

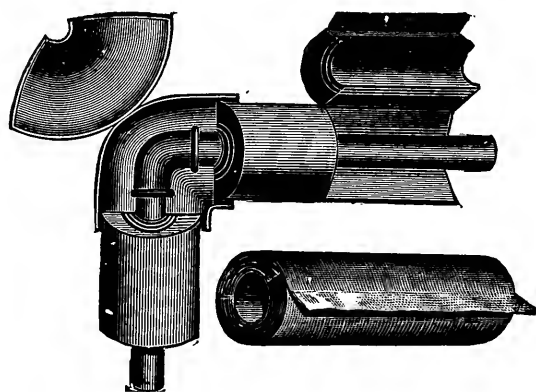


FIG. A-725.

Asbestos Pipe Covering.....  
Asbestos Sheeting.....  
Asbestos Mill-board.....  
Asbestos Cement.....

MARKET PRICES

STEAM AND GAS FITTERS CEMENT

Steam Fitters Cement..... Per pound .50  
Gas Fitters Cement..... Per pound .25

ROPE

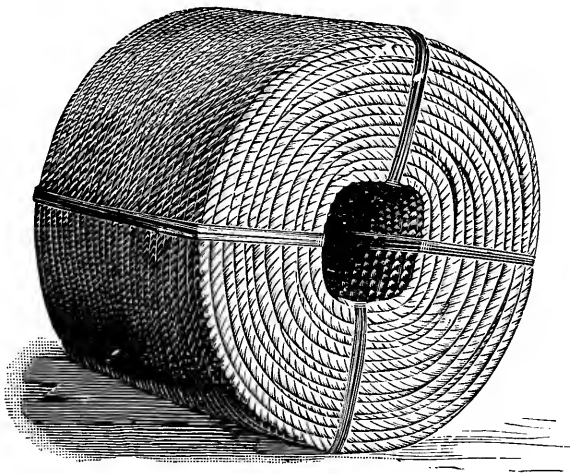


FIG. A-726.

Manila Rope.....Market price  
Hawser Laid Well Drilling Rope.....Market price

OAKUM

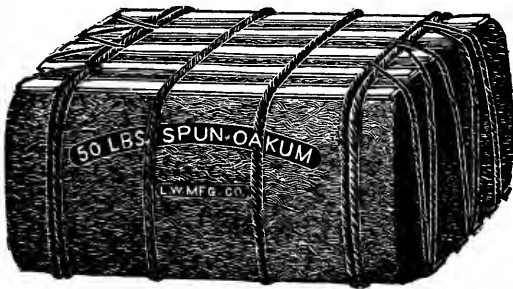


FIG. A-727.

Oakum (50 pound Bales).....Market price

RAW HIDE LACE LEATHER

Per Square Foot......50

CUT LACES

Size .....	Inches	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Price .....	Per 100 Feet	1.00	1.25	1.50	2.00	2.75	3.25

LEATHER BELTING

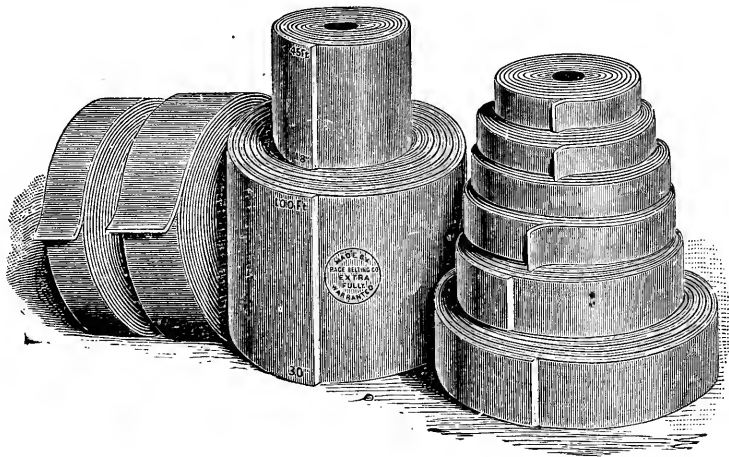


FIG. A-728.

Width.....	Inches	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	3¾
Price.....	Per Foot	.14	.19	.24	.29	.34	.39	.43	.48	.53	.58	.63	.67
Width.....	Inches	4	4½	5	5½	6	6½	7	8	9	10	11	12
Price.....	Per Foot	.72	.82	.91	1.01	1.11	1.20	1.30	1.48	1.67	1.85	2.04	2.22

NOTE—Double Belts twice the price of Single Belts.

RUBBER BELTING

WIDTH, INCHES		2-PLY	3-PLY	4-PLY	5-PLY	6-PLY
1	Price..... Per Foot	.07	.09	.11		
1¼	Price..... Per Foot	.09	.11	.13		
1½	Price..... Per Foot	.11	.13	.15	.19	
2	Price..... Per Foot	.15	.17	.21	.26	.31
2½	Price..... Per Foot	.18	.22	.26	.32	.39
3	Price..... Per Foot	.22	.26	.31	.38	.46
3½	Price..... Per Foot	.26	.30	.37	.46	.55
4	Price..... Per Foot	.30	.34	.42	.52	.63
4½	Price..... Per Foot	.33	.39	.47	.58	.70
5	Price..... Per Foot	.36	.43	.52	.65	.78
6	Price..... Per Foot	.43	.52	.62	.77	.93
7	Price..... Per Foot	.51	.60	.73	.91	1.09
8	Price..... Per Foot	.59	.70	.84	1.05	1.26
9	Price..... Per Foot	.67	.80	.95	1.18	1.42
10	Price..... Per Foot	.75	.90	1.07	1.33	1.60
11	Price..... Per Foot	.83	1.00	1.18	1.47	1.77
12	Price..... Per Foot	.91	1.08	1.30	1.62	1.95

ENDLESS STITCHED CANVAS BELTS

Width.....	Inches	6	7	8
Price.....	Per Foot	.54	.63	.72

PLUMBERS' BLAST FURNACE

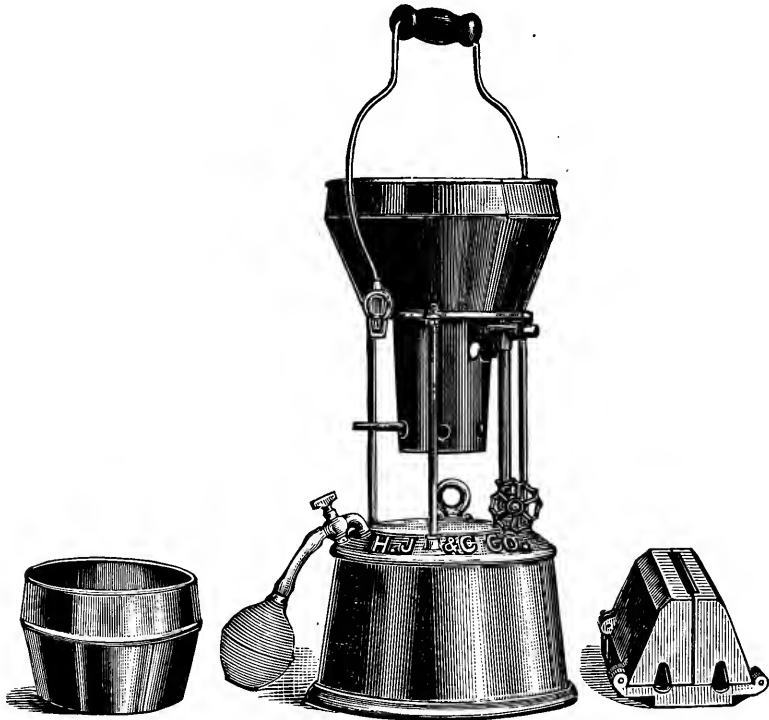


FIG. A-729.

Furnace with Two Shields, suitable for Large or Small Solder Pot.....	6.00
Furnace with Two Shields and Hood for Solder Copper.....	7.50

REPAIRS FOR PLUMBERS' BLAST FURNACE








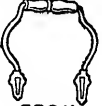
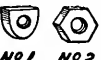
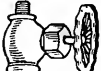


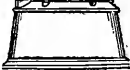


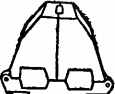




<i>Burner</i>  EACH .10¢	<i>Connecting Pipe</i>  EACH .08¢	<i>Coil</i>  EACH .25¢	<i>Coil Cup</i>  EACH .25¢	<i>Ell</i>  EACH .04¢
<i>Filling Screw</i>  EACH .10¢	<i>Handle Ear</i>  EACH .04¢	<i>Handle</i>  EACH .15¢	<i>Nuts</i>  No 1 No 2 EACH .01¢	<i>Valve</i>  EACH .30¢
<i>Pet Cock</i>  EACH .25¢	<i>Plug</i>  EACH .04¢	<i>Reservoir</i>  EACH .15¢	<i>Bulb</i>  EACH .20¢	<i>Shield</i>  No. 16 No. 2 EACH .35¢
<i>No. 3 Shield</i>  EACH .75¢	<i>Tee</i>  EACH .04¢	<i>Top Plate</i>  EACH .15¢	<i>Upright</i>  EACH .06¢	<i>Wire for Coil</i>  EACH .05¢

FIG. A-730.



BLOW TORCHES

FOR GASOLINE

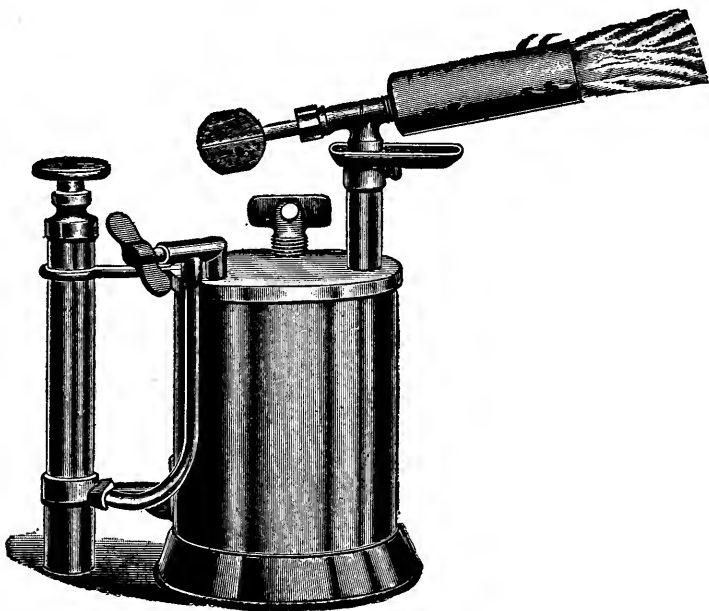


FIG. A-731.

Price ----- Each 6.00

SOLDER POTS



FIG. A-732.

Diameter on Top-----Inches	5	6	8	9	10½	12
Price-----Each	.40	.60	.92	1.16	1.60	2.52

LADLES

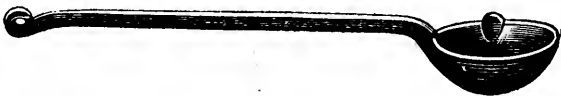


FIG. A-733.

Size -----Inches	2½	3	3½	4	5	6	7	8	9	10
Price-----Each	.35	.40	.50	.60	.75	.90	1.85	2.35	3.75	4.50

TORCHES

BRASS

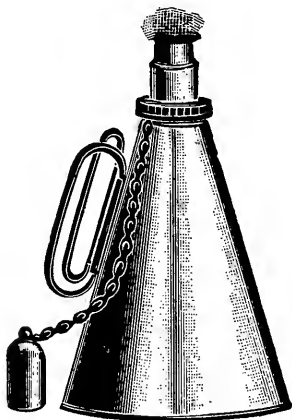


FIG. A-734.

Without Side Filler	Each	1.10
With Side Filler	Each	1.25

TAP BORERS  
NEW YORK PATTERN



FIG. A-735.

New York Pattern	Each	.40
Philadelphia Pattern	Each	.40

WIPING CLOTHS

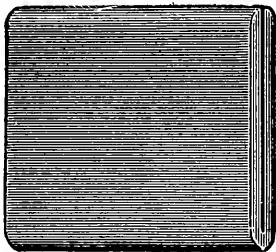


FIG. A-736.

Moleskin	Each	.25
Ticking	Each	.15

CANDLE STICKS

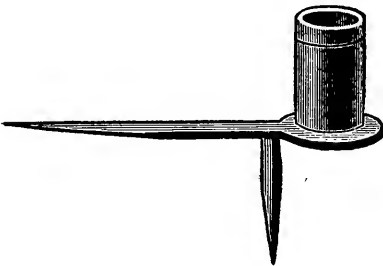


FIG. A-737.

Price	Each	.30
-------	------	-----

SOIL CUPS

COPPER



FIG. A-738.

Medium Size	Each	.40
-------------	------	-----

GREASE CUPS

BRASS

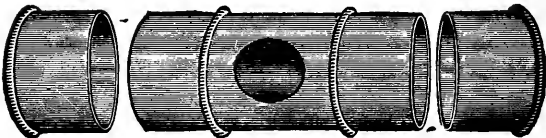


FIG. A-739.

Price	Each	1.25
-------	------	------

BENDING SPRING



FIG. A-740.

Size .....	Inches	1	1¼	1½	2
Price .....	Each	.50	.60	.80	1.00

BENDING PINS

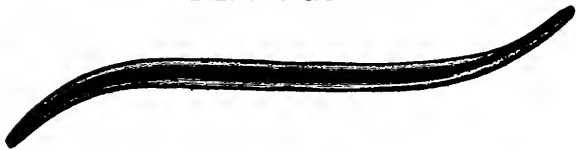


FIG. A-741.

Price .....	Each	.30
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BLOW PIPES

BRASS



FIG. A-742.

Price .....	Each	.40
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SHAVE HOOKS

OVAL BLADE

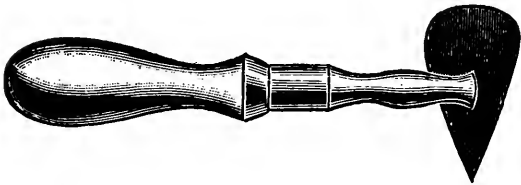


FIG. A-743.

Price .....	Each	.30
Extra Blades .....	Each	.15

SHAVE HOOKS

TRIANGULAR BLADE

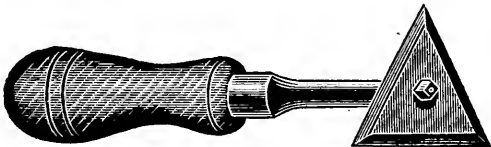


FIG. A-744.

Price .....	Each	.30
Extra Blades .....	Each	.15

SOLDERING COPPERS

STRAIGHT PATTERN



FIG. A-745.

Price .....	Per Pound	.50
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SOLDERING COPPERS

HATCHET PATTERN

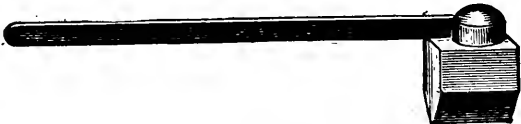


FIG. A-746.

Price .....	Per Pound	.50
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CALKING CHISEL



FIG. A-747.

Price..... Each .50

STUB CALKING CHISEL



FIG. A-748.

Price..... Each .50

RIGHT HAND CALKING CHISEL



FIG. A-749.

Price..... Each .60

LEFT HAND CALKING CHISEL

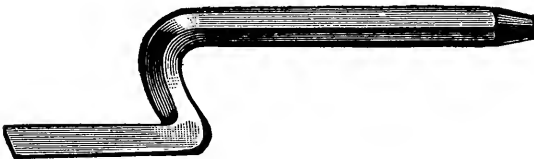


FIG. A-750.

Price..... Each .60

YARNING CHISEL



FIG. A-751.

Price..... Each .50

SPRING YARNING CHISEL



FIG. A-752.

Price..... Each .70

PLAIN TACK MOULDS

SINGLE



FIG. A-753.

DOUBLE

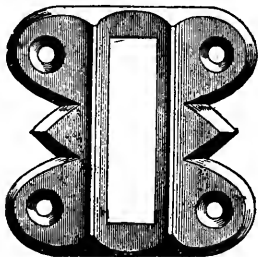


FIG. A-754.

FANCY TACK MOULDS

SINGLE



FIG. A-755.

DOUBLE

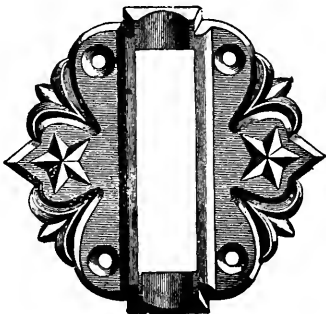


FIG. A-756.

Single .....	Each	2.50
Double .....	Each	3.50

Single .....	Each	3.00
Double .....	Each	4.00

PLUMB BOBS

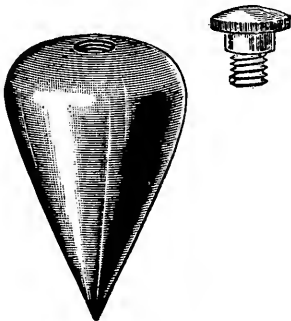


FIG. A-757.

Weight .....	Ounces	10	12	14	20	24	32	36
Brass, Steel Pointed .....	Each	.95	1.35		1.80		2.40	
Iron .....	Each	.20		.25		.40		.50

RASPS



FIG. A-758.

Sizes .....	Inches	10	12	14
Price .....	Each	1.15	1.55	2.10

BUZZELL'S BASIN WRENCH

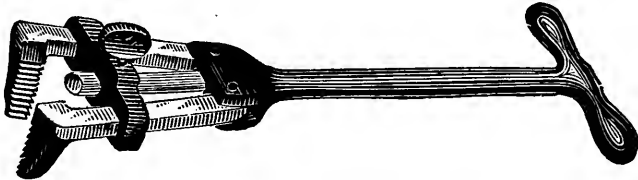


FIG. A-759.

Price .....	Each	1.25
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## FORCE CUPS

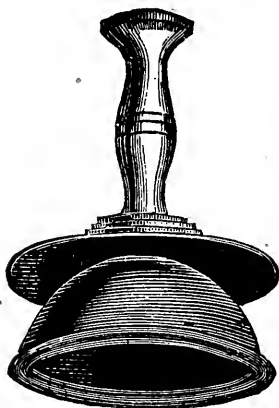


FIG. A-760.

No. 1 .....	Each	.50
No. 2 .....	Each	.75
No. 3 .....	Each	1.00

## BOXWOOD SIDE EDGERS



FIG. A-762.

Price .....	Each	.75
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## BOXWOOD DRESSERS

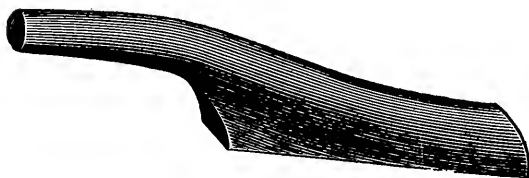


FIG. A-763.

Price .....	Each	.90
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## BOXWOOD BOSSING STICKS



FIG. A-765.

Price .....	Each	.90
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## PLUMBERS' FRIEND

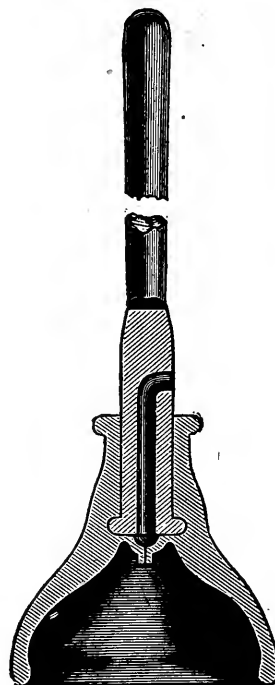


FIG. A-761.

Price .....	Each	2.00
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## BOXWOOD TURN PINS

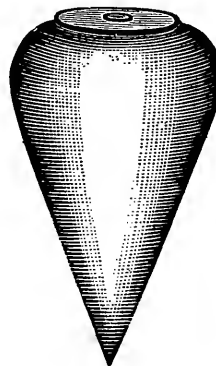


FIG. A-764.

No. 1, 2 or 3 .....	Each	.25
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## BOXWOOD DRIFT PLUGS

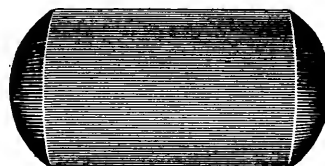


FIG. A-766.

Price .....	Each	.20
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GAS PLIERS



FIG. A-767.

Size	Inches	7	8	9	10	12	14
Price	Each	.65	.70	.80	.90	1.10	1.45

BURNER PLIERS

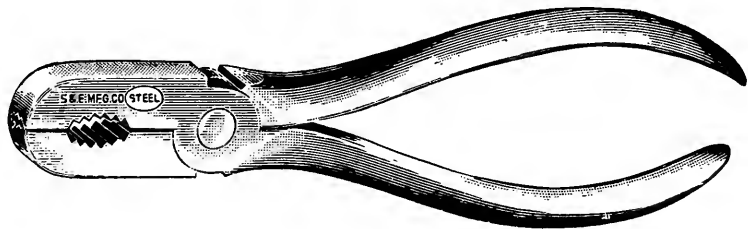


FIG. A-768.

Size	Inches	5	6
Nickel-plated	Each	.75	.85

BURNER PLIERS

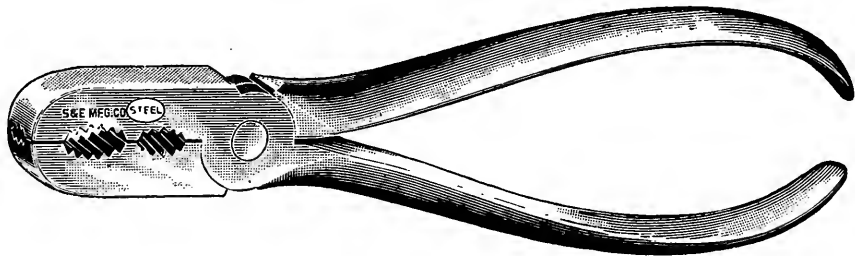


FIG. A-769.

7-inch, Nickel-plated	Each	1.00
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PEASE'S COMBINATION PLIERS

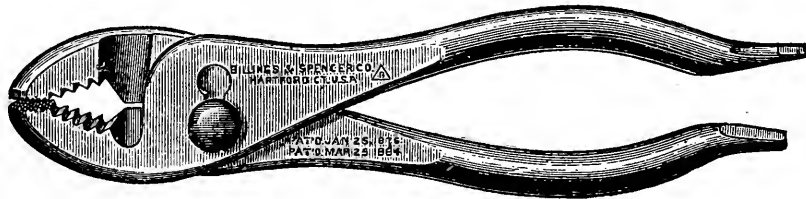


FIG. A-770

Size	Inches	6	10
Nickel-plated	Each	1.25	1.75

TRIMO PIPE WRENCHES

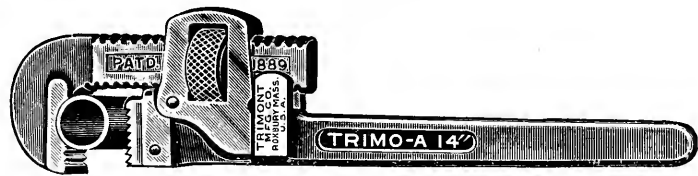


FIG. A-771.

Size	Inches	6	8	10	14	18	24	36	48
Grips Pipe	Inches	$\frac{1}{8}$ to $\frac{1}{2}$	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to $1\frac{1}{2}$	$\frac{1}{4}$ to 2	$\frac{1}{4}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to $3\frac{1}{2}$	1 to 5
Price	Each	2.00	2.00	2.25	3.00	4.00	6.00	12.00	18.00
EXTRAS	Jaw	.67	.67	.75	1.00	1.33	2.00	4.00	6.00
	Nut	.20	.20	.27	.35	.42	.50	.65	.80
	Inserted Jaw	.25	.25	.33	.50	.55	.65	1.00	1.25
	Frame	.25	.25	.33	.45	.55	.65	.75	1.00

STILLSON PIPE WRENCHES

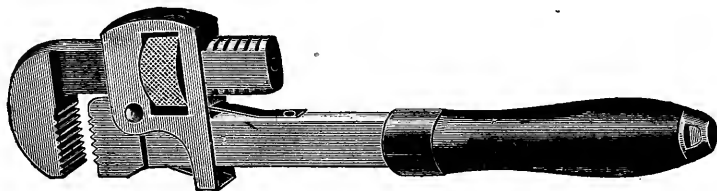


FIG. A-772.

Size	Inches	6	8	10	14	18	24	36	48
Grips Pipe	Inches	$\frac{1}{8}$ to $\frac{1}{2}$	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to 1	$\frac{1}{4}$ to $1\frac{1}{2}$	$\frac{1}{4}$ to 2	$\frac{1}{4}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to $3\frac{1}{2}$	1 to 5
Price	Each	2.00	2.00	2.25	3.00	4.00	6.00	12.00	18.00
EXTRAS	Jaw	.67	.67	.75	1.00	1.33	2.00	4.00	6.00
	Frame	.25	.25	.33	.45	.55	.65	.75	1.00
	Nut	.20	.20	.27	.35	.42	.50	.65	.80
	Handle	.15	.15	.20	.25	.30			

BEMIS AND CALL COMBINATION WRENCHES

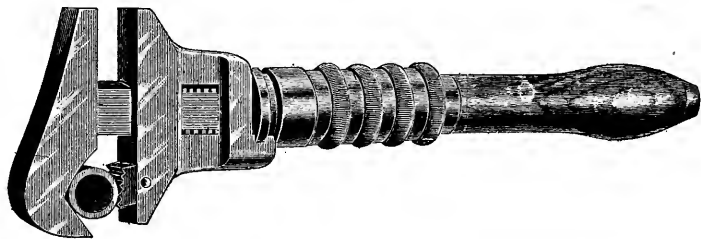


FIG. A-773.

Size	Inches	10	12	15	18
Grips Pipe	Inches	$\frac{1}{2}$ to 1	$\frac{1}{2}$ to $1\frac{1}{2}$	$\frac{1}{2}$ to 2	$\frac{1}{2}$ to 3
Price	Each	2.10	2.40	3.40	6.00
Extra Grips	Each	.25	.30	.35	.40



BRASS PIPE WRENCHES

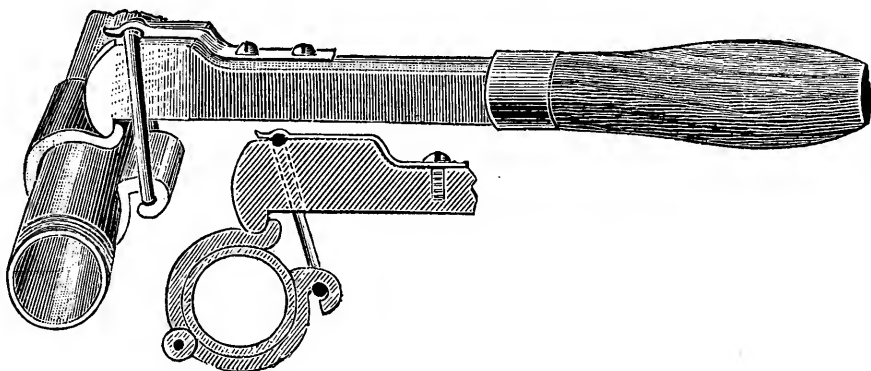


FIG. A-774

Size .....	Inches	10	18
Grips Pipe .....	Inches	$\frac{1}{2}$ , $\frac{3}{4}$ and 1	$1\frac{1}{4}$ , $1\frac{1}{2}$ and 2
Price, with one Clamp .....	Each	2.50	5.00
Extra Clamps .....	Each	.50	1.00

REED'S WRENCHES



FIG. A-775.

Size.....	Inches	8	11	16	20	30	40	
Grips Pipe.....	Inches	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{1}{8}$ to 1	$\frac{3}{8}$ to $1\frac{1}{2}$	1 to 2	$1\frac{1}{4}$ to 3	2 to 4	
Price.....	Each	2.00	2.25	3.00	4.00	9.00	12.00	
EXTRAS {	Jaw.....	Each	.67	.75	1.00	1.35	3.00	4.00
	Facing.....	Each	.40	.45	.60	.80	1.50	2.00
	Spring.....	Each	.10	.10	.15	.20	.40	.50

COE'S WRENCHES

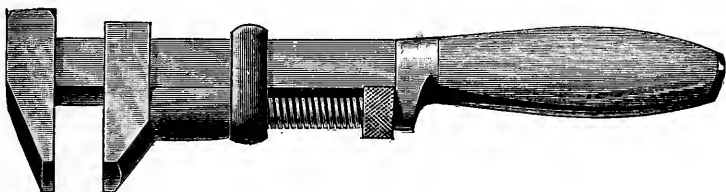


FIG. A-776.

Size .....	Inches	6	8	10	12	15	18	21
Price .....	Each	.75	.85	1.00	1.20	2.00	2.50	3.00

ALLIGATOR WRENCHES

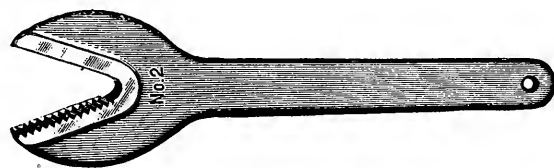


FIG. A-777.

Number.....	1	2	3	4	5
Holds Pipe.....Inches	$\frac{1}{8}$ to $\frac{3}{8}$	$\frac{3}{8}$ to $\frac{3}{4}$	$\frac{1}{2}$ to $1\frac{1}{4}$	$1\frac{1}{4}$ to 2	2 to 3
Price.....Each	.35	1.00	2.00	3.00	4.50

"ELGIN" ADJUSTABLE WRENCHES

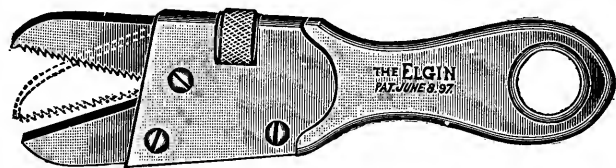


FIG. A-778.

Price, Nickel-plated.....	Each	1.00
Extra Jaws.....	Each	.25

COMMON PIPE TONGS

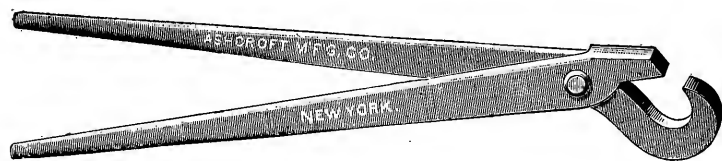


FIG. A-779.

Size for Pipe.....Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price.....Each	.60	.65	.70	.75	.90	1.10	1.30	1.50	1.90	2.50	4.00

BROWN'S ADJUSTABLE PIPE TONGS

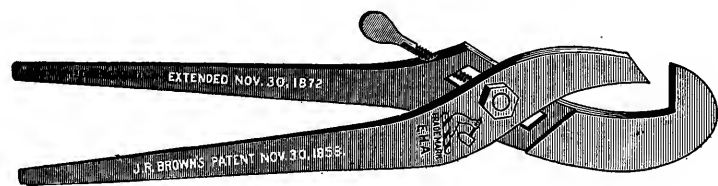


FIG. A-780.

Number.....	1	$1\frac{1}{2}$	2	3	4
Grips Pipe.....Inches	$\frac{1}{8}$ to $\frac{3}{4}$	$\frac{3}{8}$ to 1	$\frac{1}{2}$ to $1\frac{1}{4}$	1 to 2	$1\frac{1}{2}$ to 3
Price.....Each	1.30	1.65	2.00	3.00	6.00

CHAMPION CHAIN TONGS

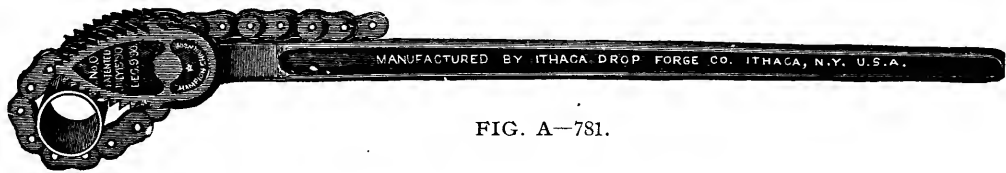


FIG. A-781.

Number -----	0	1	2	3	4
Length ----- Inches	12½	19½	28	38	50
Grips Pipe ----- Inches	⅛ to 1	¼ to 2	¼ to 3	¾ to 6	1½ to 10
Price ----- Each	2.50	3.50	5.50	7.50	11.00
Extra Chains ----- Each	.75	1.00	1.50	2.50	4.00
Extra Jaws ----- Per Pair	1.00	1.75	2.75	4.00	5.50

TRIMO GIANT CHAIN TONGS

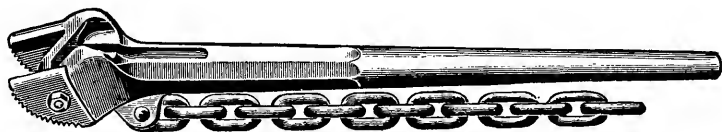


FIG. A-782.

Number -----	2	3	4	5	6
Length ----- Inches	27	37	50	60	72
Grips Pipe ----- Inches	¾ to 3	1 to 4	2 to 6	2½ to 10	3 to 12
Price ----- Each	6.00	8.00	10.00	15.00	18.00
Extra Jaws ----- Per Pair	1.75	2.25	2.75	3.50	4.00

FRICTION TONGS



FIG. A-783.

Number -----	1	2	3	4	5
For Pipe ----- Inches	¾	1	1¼	1½	2
Price ----- Each	4.00	4.50	5.00	5.50	6.00

STANWOOD PIPE CUTTERS

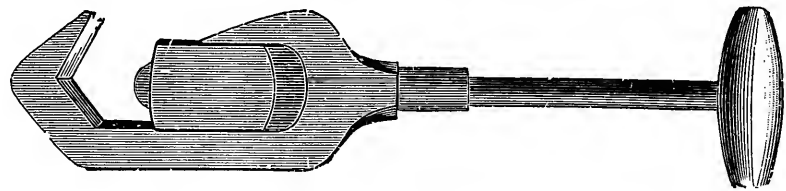


FIG. A-784.

SIZE	CUTS	COMPLETE CUTTERS	CUTTER BLOCKS WITH WHEELS	WHEELS	PINS
No. 1	$\frac{1}{8}$ to 1 inch	1.50	.45	.12	.05
" 2	1 to 2 "	2.25	.60	.18	.05
" 3	2 to 3 "	7.00	1.25	.25	.10

SAUNDERS' PIPE CUTTERS

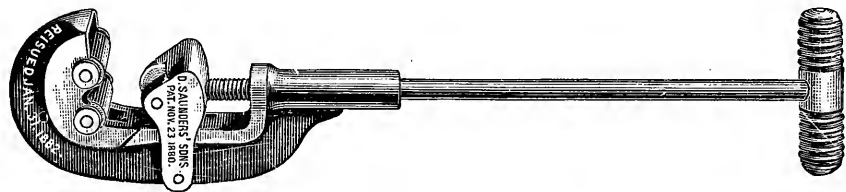


FIG. A-785.

SIZE	CUTS	COMPLETE CUTTERS	BLOCKS AND WHEELS	WHEELS	PINS
No. 1	$\frac{1}{8}$ to 1 inch	3.00	1.25	.24	.10
" 2	1 " 2 "	4.50	1.75	.32	.10
" 3	2 " 3 "	11.00	2.75	.60	.15
" 4	2½ " 4 "	18.00	3.50	.60	.15

BARNES' PIPE CUTTERS

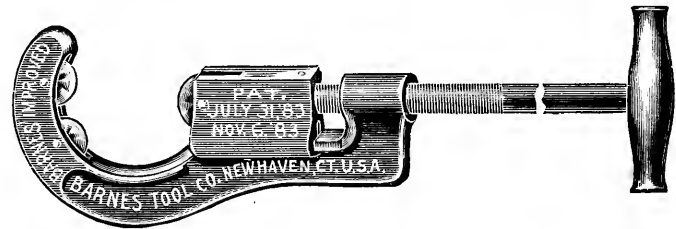


FIG. A-786.

SIZE	CUTS	CUTTERS COMPLETE	WHEELS	PINS PER DOZEN	HOOKS	SLIDES	NUTS	HANDLES
No. 1	$\frac{1}{8}$ to 1 inch	4.50	.25	1.00	1.75	.75	.25	1.00
" 2	$\frac{1}{2}$ " 2 "	6.00	.30	1.00	2.60	1.00	.25	1.25
" 3	1½ " 3 "	10.00	.40	1.00	4.55	2.00	Nut and Hook one piece in these sizes.	2.25
" 4	2½ " 4 "	20.00	.50	2.00	9.50	4.50		4.50
" 5	4 " 6 "	30.00	.75	2.00	13.75	7.00		7.00
" 6	6 " 8 "	40.00	.75	2.00	20.00	8.50		9.25
" 6½	8 " 10 "	45.00	.75	2.00	23.00	9.50		10.25
" 7	9 " 12 "	50.00	.75	2.00	25.00	11.25		11.50

PUMP ROD STOCK AND DIES



FIG. A-787.

Double Stock with $\frac{3}{8}$ and $\frac{7}{16}$ -inch Dies .....	Each	3.00
Extra Dies .....	Each	1.00
Extra Guides .....	Each	.35

PIPE STOCK AND DIES

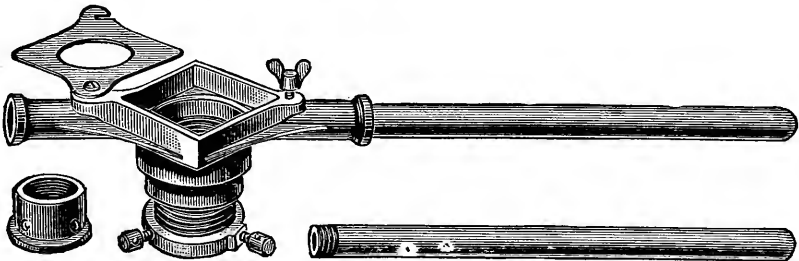


FIG. A-788.

Number .....			0	1	1½	1¾	2
Size Dies .....			Inches ⅛ to ½	¼ to 1	¾ to 1¼	1 to 1½	1¼ to 2
Dimension of Dies .....			Inches 2 x 2 x ½	2½x2½x¾	3 x 3 x ¾	3 x 3 x ¾	4 x 4 x ⅞
Complete .....			Each 9.50	15.00	13.50	13.50	20.00
Stock only .....			Each 3.50	5.00	6.00	6.00	9.50
EXTRAS {	Dies, Right or Left .....	Each 1.50	2.00	2.50	2.50	3.50	
	Bushings .....	Each .25	.35	.45	.45	.60	
	Die Frames .....	Each .30	.40	.40	.50		
	Thumb Screws .....	Each .20	.20	.20	.20		
	Handles .....	Each .50	.50	.60	.60	.75	

ARMSTRONG ADJUSTABLE PIPE STOCK AND DIES

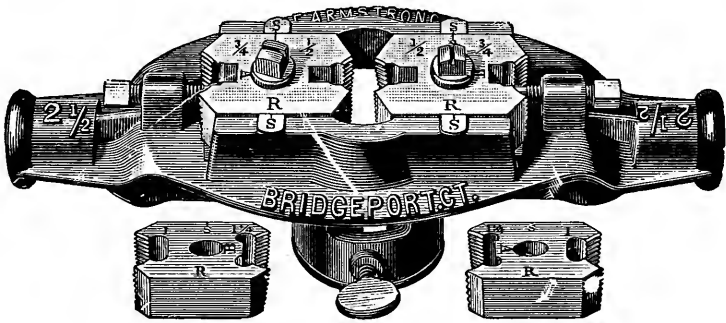


FIG A-789.

Number .....		1	2	2½	3	6	7
Threads Pipe.....Inches		⅛ to ½	¼ to 1	½ to 1¼	1¼ to 2	2½ to 3	2½ to 4
Complete.....Each		9.00	12.00	12.00	20.00	40.00	60.00
Stock only.....Each		3.25	4.00	4.50	7.00	25.00	30.00
EXTRAS {	Dies, Right or Left .....Each	1.25	1.50	3.25	4.00	15.00	16.00
	Bushings.....Each	.20	.25	.40	.50	1.00	1.50

$\frac{1}{8}$ -inch Dies (Right or Left) can be furnished for No. 2.  
 $\frac{3}{4}$ -inch Dies (Right or Left) can be furnished for No. 3.



RATCHET STOCKS AND DIES

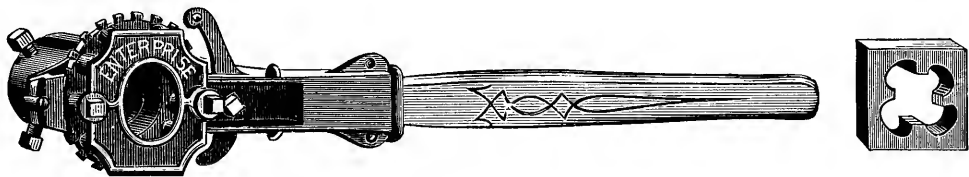


FIG. A-792.

No. 1 Stock holds 3x3 Die.		No. 2 Stock holds 4x4 Die.	
No. 1 Stock with Bushings only, for ¼ to 1½-inch Pipe	-----	Each	10.00
No. 2 Stock with Bushings only, for ½ to 2-inch Pipe	-----	Each	15.00
3x3 Dies	-----	Each 2.50	4x4 Dies ----- Each 3.50

PIPE TAPS AND REAMERS

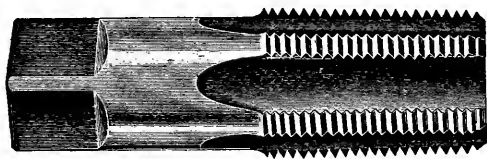


FIG. A-793.

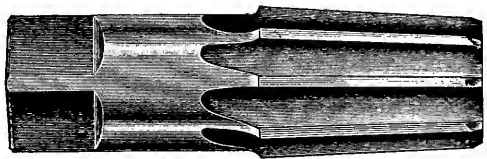


FIG. A-794.

Size ----- Inches	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
Taps ----- Each	1.12	1.25	1.50	1.87	2.50	3.12	3.75	4.62	6.25	10.50	15.00
Reamers ----- Each	1.12	1.25	1.50	1.87	2.50	3.12	3.75	4.62	6.25	10.50	15.00

COMBINATION PIPE AND BENCH VISE

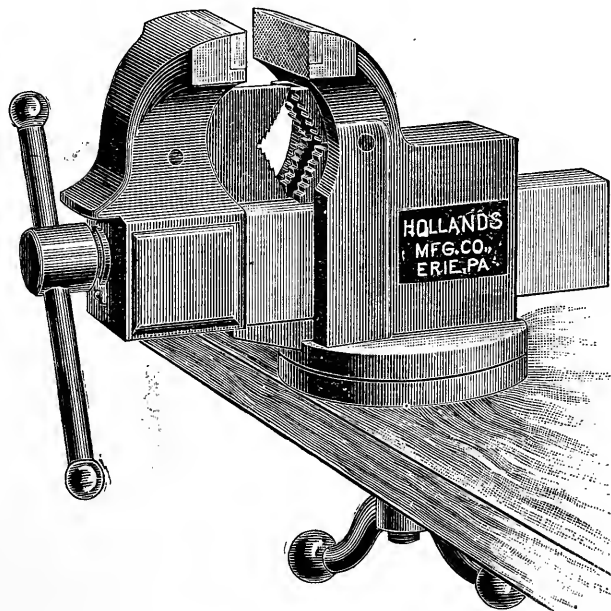


FIG. A-795.

No. 1. Holds 1/8 to 2-inch Pipe	-----	Each	16.00
No. 2. Holds 1/8 to 3-inch Pipe	-----	Each	20.00
No. 3. Holds 1/2 to 4-inch Pipe	-----	Each	28.00

MALLEABLE IRON PIPE VISES

"CRANE"

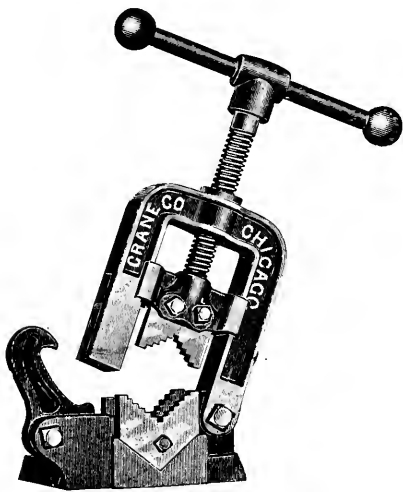


FIG. A-796.

"REED"

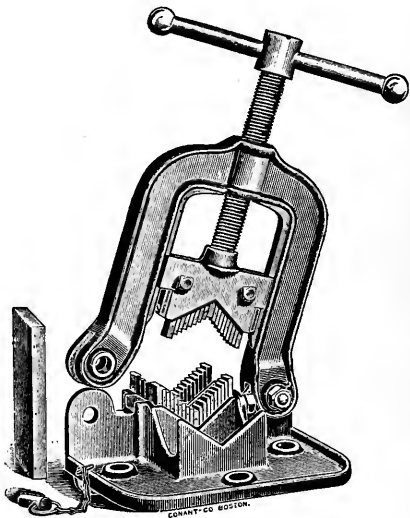


FIG. A-797.

"CRANE" MALLEABLE IRON PIPE VISE, WITH REMOVABLE STEEL JAWS

No. 1.	Holds $\frac{1}{8}$ to 2-inch Pipe.	Price -----	Each 10.00	Extra Jaws-----	Per Set of 3	.80
No. 2.	Holds $\frac{1}{8}$ to 3-inch Pipe.	Price-----	Each 14.00	Extra Jaws	Per Set of 3	1.20

"REED" MALLEABLE IRON PIPE VISE, WITH SECTIONAL STEEL JAWS

No. 1.	Holds $\frac{1}{8}$ to 2-inch Pipe.	Price-----	Each 10.00	} Extra Jaws-----	Per Section	.06
No. 2.	Holds $\frac{1}{4}$ to 3-inch Pipe.	Price-----	Each 14.00			
No. 3.	Holds $\frac{1}{2}$ to 4-inch Pipe.	Price-----	Each 20.00			

NOTE—The Jaws of the "Reed" Vise are composed of several sections of best Tool Steel, and each section is reversible four times before necessary to resharpen. Sections are easily removed and can be sharpened on a Grind-stone or Emery-wheel.

MALLEABLE PIPE VISE

MALLEABLE JAWS

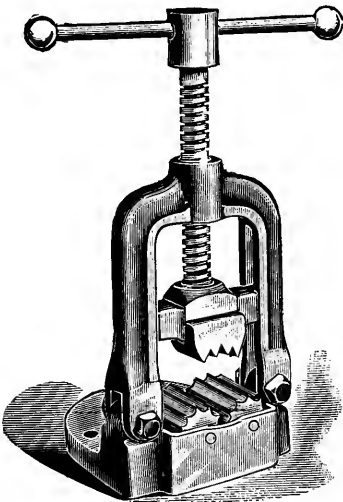


FIG. A-798.

Holds  $\frac{1}{8}$  to 2-inch Pipe.

Price----- Each 4.00

MALLEABLE PIPE VISE

STEEL JAWS

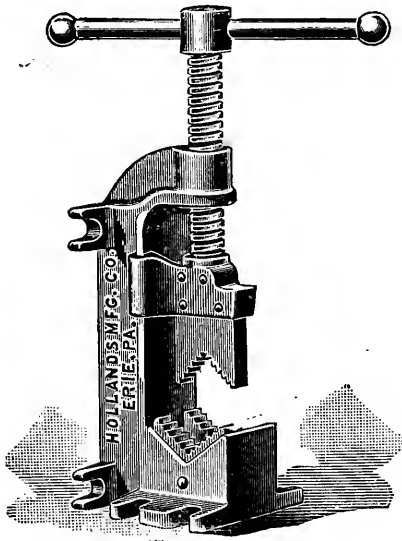
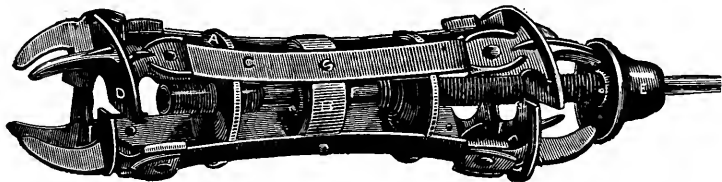


FIG. A-799.

Holds  $\frac{1}{8}$  to 2-inch Pipe.

Price----- Each 6.00

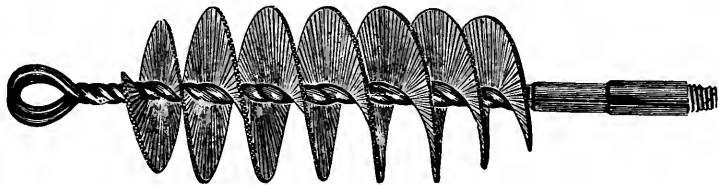




ENGINEERS  
FAVORITE  
FLUE  
SCRAPERS

FIG. A-800.

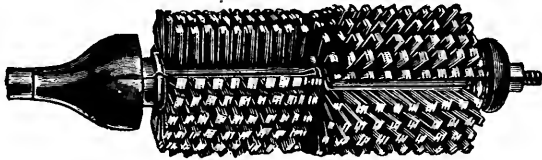
Size.....	Inches	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	4	4 1/2	5	6
Price.....	Each	2.00	2.00	2.25	2.50	2.75	3.00	3.25	3.50	4.00	4.50	6.25	7.50



SPIRAL  
WIRE  
FLUE  
BRUSHES

FIG. A-801.

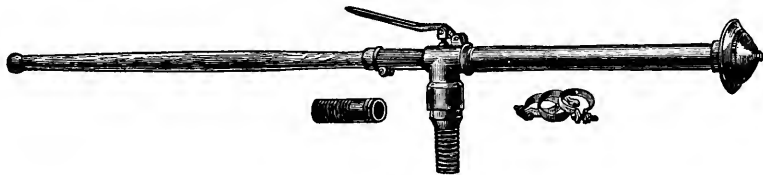
Size.....	Inches	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
Price.....	Each	1.45	1.55	1.70	1.90	2.10	2.30	2.50	2.80	3.00	3.30	3.50	3.75



EXPANSION  
WIRE  
FLUE  
BRUSHES

FIG. A-802.

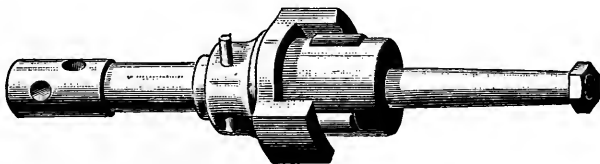
Size.....	Inches	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
Price.....	Each	2.00	2.00	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00



STEAM  
FLUE  
BLOWERS

FIG. A-803.

Number.....	1	2	3	4	5	6
Outside Diameter Tubes...Inches	2 to 2 1/4	2 1/2 to 2 3/4	3 to 3 1/4	3 1/2 to 3 3/4	4 to 4 1/2	5 to 6
With Clamps and Nipples.. Each	5.00	6.25	7.50	8.75	10.00	12.50



ROLLER  
FLUE  
EXPANDERS

FIG. A-804.

Size Flue.....	Inches	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4
Price.....	Each	10.00	10.00	10.00	10.00	10.00	12.00	14.00	16.00
Size Flue.....	Inches	3	3 1/4	3 1/2	4	4 1/4	4 1/2	5	6
Price.....	Each	18.00	20.00	23.00	30.00	35.00	40.00	50.00	60.00

HYDRANTS AND STREET WASHERS

HAWEYE HYDRANT

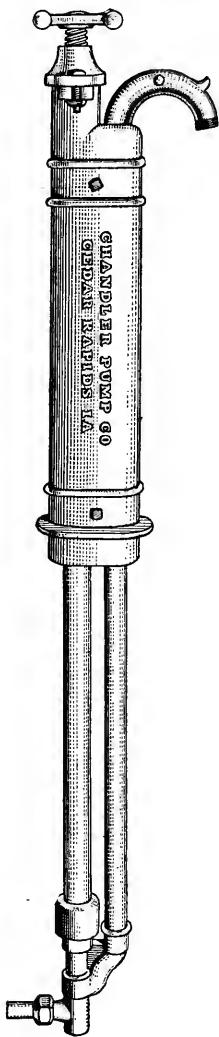


FIG. A-805.

HAWKEYE  
STREET WASHER

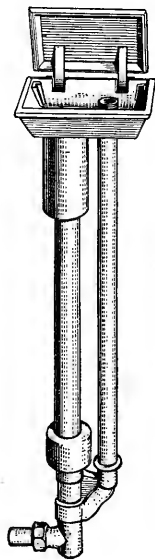


FIG. A-806.

HYDRANTS

To set in ground.....Inches	18	24	36	48	60	72	84	96
¾-inch inlet.....Each	9.80	10.10	10.60	11.00	11.50	12.10	12.80	13.50
1-inch inlet.....Each	12.70	13.50	14.30	14.75	15.30	16.00	17.25	18.50

STREET WASHERS

To set in ground.....Inches	18	24	36	48	60	72	84	96
¾-inch inlet.....Each	6.60	6.85	7.35	7.75	8.25	8.85	9.55	10.25
1-inch inlet.....Each	9.50	10.25	11.10	11.70	12.00	12.75	13.50	15.25

SERVICE OR STOP BOXES

2½-INCH DIAMETER

NUMBER	EXTENSION	PRICE EACH
88	1 Foot Stationary Length	.70
89A	1 foot to 1 foot 8 inches	.75
90B	1 foot 6 inches to 2 feet 2 inches	.82
91C	1 foot 9 inches to 2 feet 9 inches	.88
92C	2 feet to 3 feet 2 inches	.92
92D	2 feet to 3 feet 6 inches	.95
93D	3 feet to 4 feet	1.00
93E	3 feet to 4 feet 6 inches	1.04
94D	3 feet 6 inches to 4 feet 9 inches	1.08
94E	3 feet 6 inches to 5 feet	1.14
95E	4 feet to 5 feet 6 inches	1.20
100E	4 feet 6 inches to 6 feet	1.25
100F	4 feet 6 inches to 6 feet 6 inches	1.40

3-INCH DIAMETER

NUMBER	EXTENSION	PRICE EACH
0	10 Inch Stationary Length	.85
1	1 foot 1 inch to 1 foot 9½ inches	.90
1½	1 foot 6 inches to 2 feet 4 inches	.95
2	2 feet to 3 feet 3 inches	1.05
3	2 feet 8 inches to 4 feet	1.15
4	2 feet 10 inches to 4 feet 10 inches	1.20
5	3 feet 6 inches to 5 feet 6 inches	1.40
7	4 feet to 6 feet	1.60
8	6 feet to 8 feet	2.00

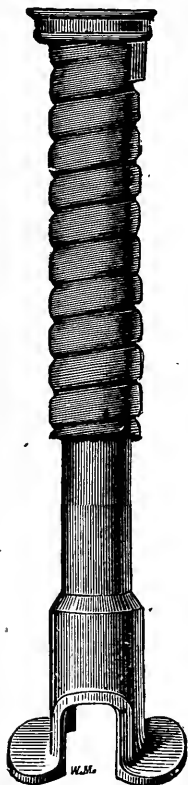


FIG. A-807.

EXTENSION SECTIONS



FIG. A-808.

Increasing length of Box.....Inches	2½-INCH DIAMETER				3-INCH DIAMETER		
	9	16½	28	33	20	24	30
Price.....Each	.40	.45	.50	.60	.45	.50	.60

REPAIRS

Top Section, half the price of Complete Service Box.  
Bottom Section, half the price of Complete Service Box.

Covers .....	Each	.15
Brass Bolts .....	Each	.15
Keys .....	Each	.10

EUREKA WATER LIFT

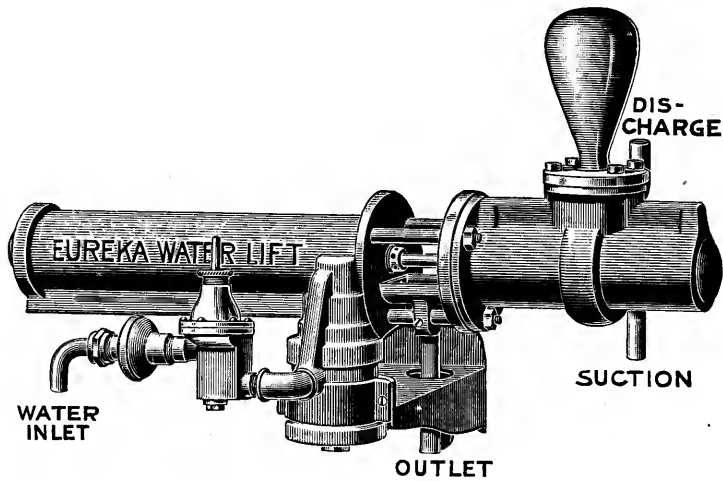
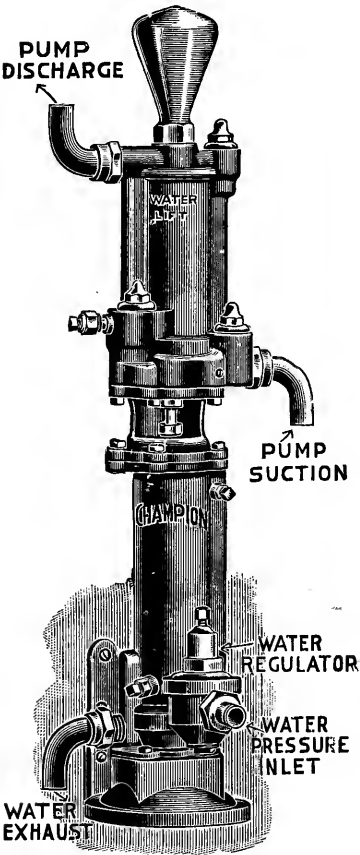


FIG. A-899.

NUMBER	DIAMETER OF POWER CYLINDER	DIAMETER OF PUMP CYLINDER	LENGTH OVER ALL	HEIGHT OVER ALL	PRICE EACH
	INCHES	INCHES	INCHES	INCHES	
1	2½	1¾	25	13	60.00
2	2½	2½	25	13	60.00
3	3⅜	3⅜	29	18	100.00
4	3⅜	2⅜	29	18	100.00
5	3⅜	3⅜	28	17	70.00

Descriptive circulars sent on application.



CHAMPION WATER LIFT

NUMBER	DIAMETER OF POWER CYLINDER	DIAMETER OF PUMP CYLINDER	HEIGHT OVER ALL	PRICE EACH
	INCHES	INCHES	INCHES	
1	2½	2½	27½	60.00
2	2½	2	27½	60.00
3	3	2½	27½	70.00
4	3	2	27½	70.00
5	3	1½	27½	70.00
6	3	3	27½	70.00
7	2½	3	27½	60.00
9	3⅜	3⅜	34½	100.00
10	3⅜	3	34½	100.00

FIG. A-810.

Descriptive circulars sent on application.

CISTERN PUMPS

PITCHER SPOUT

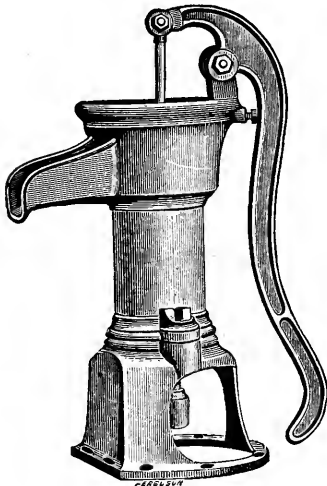


FIG. A-811.

CLOSE SPOUT

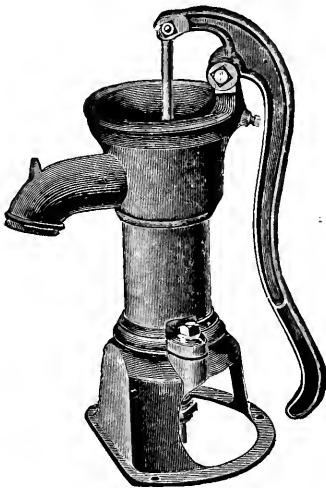


FIG. A-812.

WITH  
PATENT  
VALVE

Number.....	1	2	3	4
Diameter of Cylinder.....Inches	2½	3	3½	4
Size Suction Pipe.....Inches	1	1¼	1¼	1½
Pitcher Spout, Polished Iron Cylinder.....Each	4.25	4.75	5.25	6.25
Pitcher Spout, Brass Lined Cylinder.....Each	6.50	7.25	8.00	9.00
Close Spout, Polished Iron Cylinder.....Each	4.25	4.75	5.25	6.25
Close Spout, Brass Lined Cylinder.....Each	6.50	7.25	8.00	9.00

PITCHER SPOUT

BRASS BODY

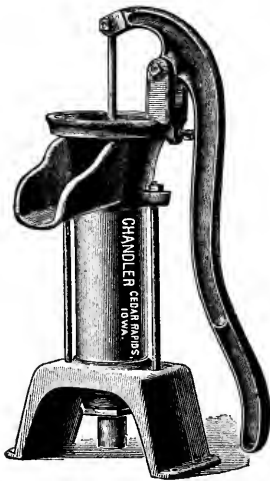


FIG. A-813.

3-inch Cylinder.

1, 1¼ or 1½-inch Suction.

Price.....Each 4.00

HOUSE FORCE

BRASS BODY



FIG. A-814.

3-inch Cylinder

1, 1¼ or 1½-inch Suction.

With Air Chamber.....Each 7.00  
Without Air Chamber.....Each 6.00

HOUSE FORCE PUMPS

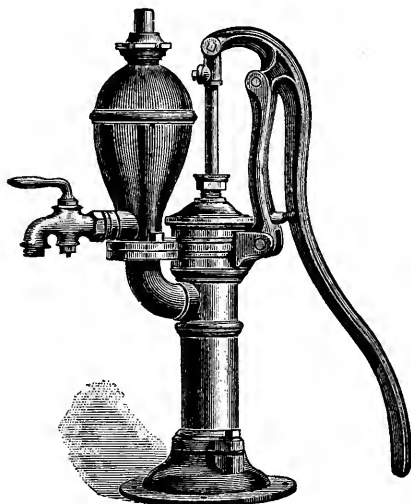


FIG. A-815.

2 1/2-inch Cylinder.

Price ..... Each 10.00

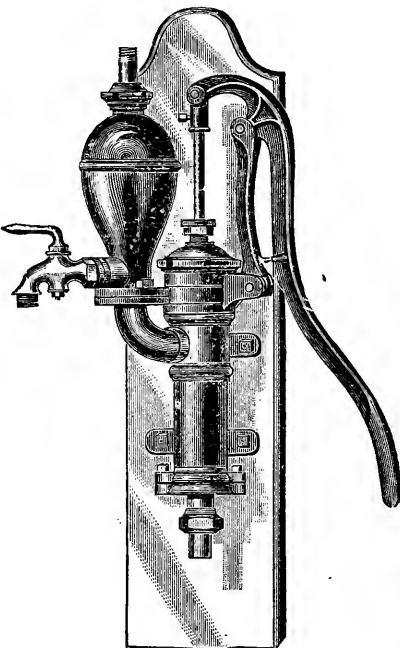


FIG. A-816.

2 1/2-inch Cylinder.

Price ..... Each 11.00

"LOW DOWN" HOUSE FORCE PUMP

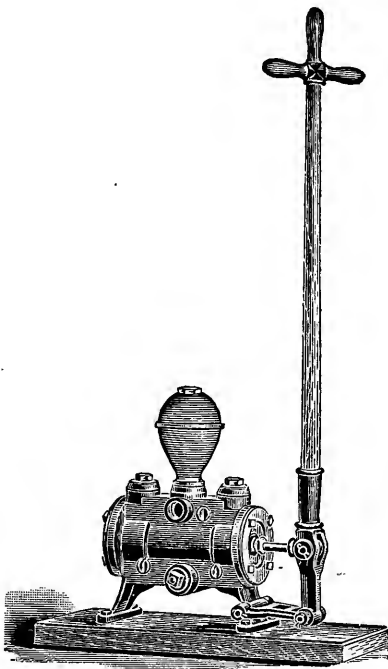


FIG. A-817.

3-inch Brass Lined Cylinder.

Price ..... Each 16.00

**STANDARD STEAM, GAS AND WATER PIPE**  
**TABLE OF SIZES AND DIMENSIONS**

Size, Inches	Actual Outside Diameter	Thickness, Inches	Outside Circumference Inches	Length of Pipe in Feet Containing 1 Square Foot Outside Surface	Length of Pipe in Feet Containing 1 Cubic Foot	Weight Per Foot Pounds	Number of Threads Per Inch
$\frac{1}{8}$	.405	.068	1.272	9.44	2513.	.241	27
$\frac{1}{4}$	.54	.088	1.696	7.075	1383.3	.42	18
$\frac{3}{8}$	.675	.091	2.121	5.657	751.2	.559	18
$\frac{1}{2}$	.84	.109	2.639	4.547	472.4	.837	14
$\frac{3}{4}$	1.05	.113	3.299	3.637	270.	1.115	14
1	1.315	.134	4.131	2.904	166.9	1.668	11½
1¼	1.66	.14	5.215	2.301	96.25	2.244	11½
1½	1.9	.145	5.969	2.01	70.66	2.678	11½
2	2.375	.154	7.461	1.608	42.91	3.609	11½
2½	2.875	.204	9.032	1.328	30.1	5.739	8
3	3.5	.217	10.996	1.091	19.5	7.536	8
3½	4.	.226	12.566	.955	14.57	9.001	8
4	4.5	.237	14.137	.849	11.31	10.665	8
4½	5.	.246	15.708	.764	9.02	12.34	8
5	5.563	.259	17.477	.687	7.2	14.502	8
6	6.625	.28	20.813	.577	4.98	18.762	8
7	7.625	.301	23.955	.501	3.72	23.271	8
8	8.625	.322	27.096	.443	2.88	28.177	8
9	9.625	.344	30.238	.397	2.29	33.701	8
10	10.75	.366	33.772	.355	1.82	40.065	8

**CUTTING EXTRA PIPE THREADS**

Size-----Inches	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1¼	1½	2	2½
Price-----Each	.05	.05	.05	.05	.05	.06	.07	.08	.10	.15
Size-----Inches	3	3½	4	4½	5	6	7	8	9	10
Price-----Each	.20	.25	.35	.45	.55	.70	.85	1.00	1.25	1.50

**TELEGRAPHIC CIPHER FOR ORDERING PIPE**

Number of Feet	Size	Black	Size	Galvanized
100	Asia	$\frac{1}{8}$ Allegheny		
200	Belgium	$\frac{1}{4}$ Baltimore	$\frac{1}{4}$ Amazon	
300	Chili	$\frac{3}{8}$ Camden	$\frac{3}{8}$ Bay	
400	Denmark	$\frac{1}{2}$ Detroit	$\frac{1}{2}$ Colorado	
500	Egypt	$\frac{3}{4}$ Erie	$\frac{3}{4}$ Danube	
600	France	1 Fairmont	1 Elbe	
700	Germany	1¼ Galena	1¼ Firth	
800	Holland	1½ Harrisburg	1½ Ganges	
900	Ireland	2 Ithica	2 Hudson	
1000	Japan	2½ Jamestown	2½ Indus	
2000	Kentucky	3 Kensington	3 Juniata	
3000	Liberia	3½ Lancaster	3½ Kanawha	
4000	Maine	4 Macon	4 Lake	
5000	Nevada	4½ Quincy	4½ Miami	
6000	Ohio	5 Newark	5 Nile	
7000	Peru	6 Oneida	6 Osage	
8000	Russia	7 Paris	7 Po	
9000	Spain	8 Reading	8 Rhine	
10000	Texas	9 Salem	9 Seine	
15000	Uruguay	10 Troy	10 Tweed	

NOTE—For latest revision of prices on Pipe, see Pipe Card.

**X AND XX STRONG PIPE CARRIED IN STOCK**

WELL CASING

LIST OF SIZES AND DIMENSIONS

Inside Diameter Inches	Outside Diameter Inches	Weight Per Foot	Threads Per Inch	Inside Diameter Inches	Outside Diameter Inches	Weight Per Foot	Threads Per Inch
2½	2¾	3.13	14	5	5¼	8.20	14
2¾	3	3.45	14	5⅝	5½	8.62	14
3	3¼	4.10	14	5¾	6	10.46	14
3¼	3½	4.45	14	6¼	6⅝	11.58	14
3½	3¾	4.78	14	6⅝	7	12.34	14
3¾	4	5.56	14	7¼	7⅝	13.55	14
4	4¼	6.00	14	7⅝	8	15.41	11½
4¼	4½	6.36	14	8¼	8⅝	16.07	11½
4½	4¾	6.73	14	8⅝	9	17.60	11½
4¾	5	7.80	14	9⅝	10	21.90	11½

NOTE—Size of Well Casing is governed by the inside diameter. Screw and Socket and Inserted Joint Casing, both Black and Galvanized carried in stock. In ordering, be careful to specify kind wanted. Prices subject to latest revision. See Pipe Card.

TELEGRAPHIC CIPHER FOR ORDERING WELL CASING

Screw and Socket Joint Well Casing-----				Madame			
Inserted Joint Well Casing-----				Magnet			
Size		Size		Size		Size	
2½ Malice		3½ Marmot		4½ Melon		5⅝ Mine	
2¾ Malt		3¾ Mask		4¾ Mesh		6¼ Minor	
3 Mane		4 Match		5 Midway		6⅝ Miser	
3¼ Mantle		4¼ Mean		5⅝ Mild		7¼ Mite	

STANDARD PIPE COUPLINGS

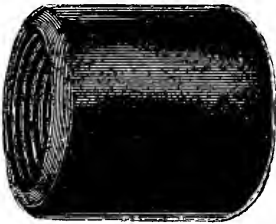


FIG. A—818.

STANDARD WROUGHT IRON PIPE COUPLINGS

Size-----Inches	⅛	¼	⅜	½	¾	1	1¼	1½	2	2½
Black-----Each	.05	.05	.06	.07	.10	.13	.17	.21	.28	.40
Galvanized-----Each	.06	.06	.08	.10	.13	.18	.25	.32	.40	.55
Size-----Inches	3	3½	4	4½	5	6	7	8	9	10
Black-----Each	.60	.80	1.00	1.50	1.65	2.40	3.25	4.25	5.50	7.50
Galvanized-----Each	.80	1.05	1.40	2.00	2.25	3.25				

WELL CASING COUPLINGS

Size-----Inches	2½	2¾	3	3¼	3½	3¾	4	4¼	4½	4¾
Black-----Each	.25	.30	.35	.40	.46	.52	.60	.68	.74	.80
Galvanized-----Each	.35	.42	.50	.57	.65	.73	.85	1.00	1.05	1.15
Size-----Inches	5	5⅝	5¾	6¼	6⅝		7⅝	8¼	8⅝	9⅝
Black-----Each	.90	1.00	1.20	1.35	1.50		1.75	2.24	2.85	3.50
Galvanized-----Each	1.30	1.40	1.70	1.90	2.15		2.50	3.25		



Jan - 12 1901





